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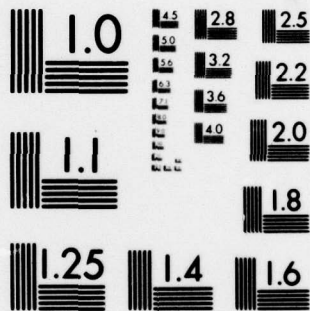
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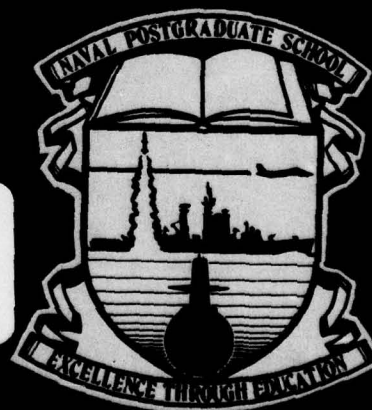
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NAVAL POSTGRADUATE SCHOOL
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DEPARTMENT OF COMPUTER SCIENCE
CONFERENCE PRESENTATIONS

- Bradley, G H
Survey of deterministic-networks.
Plenary Speaker, International Symposium on Extremal
Methods and Systems Analysis, Sept. 1977.
- Bradley, G H; Brown, G G
Modelling applied to military force readiness.
Military Oper. Res. Soc. Meeting, Ft. Eustis, Va.,
Dec. 1976.
- Bradley, G H; Brown, G G
Application of network models to corporate planning.
Texas Instruments Company, Dallas, Tex., Oct. 1976.
- Bradley, G H; Brown, G G
Extensions of network optimization algorithms.
SIGMAP Session, ACM National Meeting, Houston, Tex.,
Oct., 1976.
- Bradley, G H; Brown, G G
Large scale network optimization.
Stanford Operations Research Colloquium, Stanford,
Calif., Jan. 1977.
- Bradley, G H; Brown, G G
Advances in large scale optimization.
Stanford, Calif., Apr. 1977.
- Bradley, G H; Brown, G G; Graves, G
Preprocessing of large linear programs.
Large Scale Optimization Session, Oper. Res. Soc. of
America/The Institute of Management Sciences,
Atlanta, Ga., Nov. 1977.
- Kodres, U R
Impact of large scale integration on Navy automatic data
processing.
Navy Symp. on Advanced Computer Technology,
Washington, D. C., Apr., 1976.
- Schneidewind, N F
Modularity considerations in real time operating
systems.
IEEE Computer Society Computer Software and
Applications Conference, Chicago, Ill., Nov. 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
JOURNAL PJBS & CONFERENCE PROCS

- Barksdale, G L
MUNIX, An environment for software development and
real-time execution.
IN Hawaii Systems Conf., Univ. of Hawaii, Jan.,
1976.
- Barksdale, G L
MUNIX: An environment for program development and
real-time execution.
9th Hawaii Intern. Conf. Systems Science, Jan., 1976.
IN Proc., 1976.
- Bradley, G H
Energy modelling with network optimization.
Federal Energy Administration, Wash., D. C., Sept.
1976.
- Bradley, G H; Brown, G G
Network optimization and defense modelling.
Center for Naval Analyses, Arlington, Va., Aug. 1976.
- Bradley, G H; Brown, G G; Graves, G
Large scale network optimization.
9th Intern. Mathematical Programming Symp., Budapest,
Hungary, Aug., 1975.
- Bradley, G H; Brown, G G; Graves, G
Surrogate programming approach to solution of large
scale network problems.
Network and Extensions, Technical Session, ORSA/TIMS
National Meeting, Philadelphia, Pa., Mar., 1976.
- Bradley, G H; Brown, G G; Graves, G
Imbedded networks in large scale optimization models.
Algorithms for Large Scale Optimization Problems,
Technical Session, ORSA/TIMS National Meeting, Miami,
Fla., Nov., 1976.
- Bradley, G H; Brown, G G; Graves, G W
Design and implementation of large scale primal
transshipment algorithms.
Management Sci., vol. 24, no. 1, p. 1-34, (Sept.
1977).
- Bradley, G H; Brown, G G; Graves, G
Design and implementation of large scale primal
transshipment algorithms.
Exceptional Paper in Management Sci., vol. 24, no. 1,
p. 1-34, (1977).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Bradley, G H; Schneidewind, N F; Howard, G T
Analysis of program structure and error detection
properties.
ACM Software Engineering Notes, vol. 1, no. 2, p.
20a-20b, (1976).
- Brown, G G
Issues in basis manipulation:
Factorization-decomposition.
ORSA/TIMS National Meeting, Miami, Fla., Nov., 1976.
IN Proc., 1976.
- Brown, G G
A note on numerical maximum likelihood estimation of the
parameters of the Weibull distribution
IEEE Trans. Reliability, vol. 24, no. 2, (1976).
- Brown, G G; Bradley, G H
Extensions of network optimization algorithms.
ACM National Meeting, Houston, Tex., Oct., 1976.
IN Proc., 1976.
- Brown, G G; Bradley, G H
Imbedded networks in large scale optimization models.
ORSA/TIMS National Meeting, Miami, Fla., Nov., 1976.
- Brown, G G; Bradley, G H and others
Surrogate programming approach to solution of large
scale network problems.
ORSA/TIMS National Meeting, Philadelphia, Pa., Mar.,
1976.
IN Proc., 1976.
- Brown, G G; Rutemiller, H
Evaluation of $Pr(X=Y)$ when both X and Y are from
3-parameter Weibull distributions
IEEE Trans. on Reliability, vol. R-22, no. 2.
- Brown, G G; Rutemiller, H
A cost analysis of sampling inspection under military
standard 105D
Naval Res. Log. Q., vol. 20, no. 1.
- Brown, G G; Rutemiller, H
Some probability problems concerning the game of bingo
Mathematics Teacher, vol. 66, no. 5.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Brown, G G; Rutemiller, I
Maximum likelihood estimation of the probability of
labor force participation where the dependent variable
is binary, with an application to the AFDC
population-at-risk
Atlantic Econ. Q., vol. 2, p. 22, (1977).
- Brown, G G; Rutemiller, I
Means and variances of stochastic vector products with
applications to random linear models
Management Sci., vol. 24, no. 2, p. 210, (1977).
- Brown, G G; Taylor, J G
Canonical methods in the solution of
variable-coefficient Lanchester-type equations of modern
warfare.
Operations Res., vol. 24, no. 1, p. 44-69, (1976).
- Brown, G G; Taylor, J G
Further canonical methods in the solution of
variable-coefficient Lanchester-type equations of modern
warfare: A new definition of power Lanchester
functions.
ORSA/TIMS National Meeting, Miami, Fla., Nov., 1976.
IN Proc., 1976.
- Burkhead, F
Parallel processing of recursive functions
Ann. Conference of the Assoc. for Computing
Machinery, Detroit, Mich., Feb., 1978.
IN Proc., 1978.
- Hamming, R W
Confessions of numerical analyst
CSIRO Division Math. and Statist. Newsl., vol. 33,
(Jul. 1977).
- Hamming, R W
A formula for generating prime numbers
Popular Computing, vol. 5, no. 5, (1977).
- Kodres, U R
The data flow graph as an aide to the designer.
IN IEEE Workshop on Microcomputer Systems Design,
Monterey, Calif., July, 1976.
- Kodres, U R
Analysis of real-time systems by data flowgraphs.
IEEE Trans. on Software Eng., vol. SE-4, no. 3, p.
169-178, (May 1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Kodres, U R
Analysis of real-time systems by data flowgraphs
IEEE Trans. Software Eng., vol. SE-4, no. 3, p.
169-178, (1978).
- Kodres, U R
Discrete systems and flowcharts
IEEE Trans. Software Eng., vol. SE-4, no. 6, p.
521-525, (1978).
- Rahe, G A
Signal processing and display.
ELF Electromagnetic Seminar, Johns Hopkins Univ.,
Oct. 1976.
IN Proc.
- Roland, R J
Motivation theory, a plethora.
Dept. of Mgt., College of Business Administration,
Univ. of Nebraska (Dec 1976).
- Schneidewind, N F
Computer system testing.
Naval Research Reviews, vol. 29, no. 2, p. 23,
(1976).
- Schneidewind, N F
Validation tests for a software error simulation model.
1976 Summer Computer Simulation Conf., Washington, D.
C.
IN Proc., 1976, p. 892-896.
- Schneidewind, N F
The application of simulation to the evaluation of
computer software.
Computer Performance Evaluation Users Group, San
Diego, Calif., Nov., 1976.
IN Proc., 1976, p. 203-210.
- Schneidewind, N F
Directed graph measures of computer program complexity.
IN ORSA/RIMS Meeting, Miami, Fla., Nov., 1976.
- Schneidewind, N F
Modularity considerations in real time operating system
structures.
Chicago, Ill. Computer Software and Applications
Conf., IEEE Computer Society, Nov. 1977. 397-403 p.
IN Proc.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Schneidewind, N F
An experiment in software error data collection and analysis.
IN Proc., 6th Texas Conf. on Computing Systems, IEEE Computer Society, Nov. 1977, p. 4A1-4A12.
- Schneidewind, N F
The use of simulation in the evaluation of software Computer, Apr. 1977.
- Schneidewind, N F
Software engineering of the micro/mini computer subnet in computer networks.
Computer Software and Applications Conference, Chicago, Ill., Nov. 13-16, 1978.
IN Proc., Institute of Electrical and Electronics Engineers Computer Society, 1978. 6 p.
- Schneidewind, N F
Emulation-tool for software development.
1978 National Computer Conference, Anaheim, Calif., June 5-8, 1978.
IN Conference Proceedings, Vol. 47, 1978, National Computer Conference, American Federation of Information Processing Societies.
- Schneidewind, N F
Comparison of simulator predicted operating system performance with actual system performance.
COMPCON, San Francisco, Calif., Feb. 28-Mar. 3, 1978.
IN Digest of Papers, 16th IEEE Computer Society International Conference, Institute of Electrical and Electronics Engineers Computer Society, 1973.
- Schneidewind, N F; Bradley, G H; Howard, G T
Analysis of program structure and error detection properties.
IN ACM Software Engineering Notes, vol. 1, no. 2, 1976, p. 20a-20b.
- Schneidewind, N F; Green, T F
Simulation of error detection in computer programs.
IN ACM Simuletter, vol. 7, no. 3, p. 8-11, (1976).
- Schneidewind, N F; Green, T F and others
Program structures, complexity and error characteristics.
Polytechnic Inst. New York Symposium Computer Software Engineering, Apr., 1976.
IN Proc., 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

Schneidewind, N F; Hoffman, H M
Software error data collection and analysis.
Summer Computer Simulation Conference, Newport Beach,
Calif., July 24-26, 1978.
IN Proc., American Federation of Information
Processing Societies, 1978. 6 p.

Kodres, U R; Niemann, W
RDEX-real time distributed system's executive
7th Int. Symposium on Mini and Microcomputers,
Anaheim, Calif., Jan. 16-18, 1978.
IN Proc.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
TECHNICAL REPORTS AND NOTES

- Barksdale, G L; Meyer, W B
TPS, a text processing system, primer and reference manual.
Naval Postgraduate School (NPS-72BA76011) 1976. 74 p.
- Bradley, G H
Analysis of IIES and PIES mathematical programs.
Federal Energy Administration Internal Report, Aug. 1976.
- Bradley, G H
Analysis of IIES and PIES mathematical programs.
Federal Energy Admin. Internal Rept. 1976.
- Bradley, G H; Brown, G G; Graves, G
Design and implementation of large scale primal transshipment algorithms.
Naval Postgraduate School, (NPS-55BzBw76091), 59 p., (also UCLA WMSI Report 260), presented to IX International Mathematical Programming Symposium, Budapest, Aug., 1976.
- Bradley, G H; Brown, G G; Graves, G
Design and implementation of large scale primal transshipment algorithms.
Naval Postgraduate School (NPS-55BZBW76091) 1976. 59 p.
- Brown, G G; Bradley, G H and others
Design and implementation of large scale primal transshipment algorithms.
Naval Postgraduate School (NPS-55BZBW76091) 1976. 58 p.
- Brown, G G; Rutemiller, J C
Means and variances of stochastic vector products with applications to random linear models.
Naval Postgraduate School, (NPS-55776), 1977. 17 p.
- Brown, G G; Shubert, B O
On random binary trees.
Naval Postgraduate School (NPS-55BW76061) 1976. 45 p.
- Brown, G G; Taylor, J G
An examination of the effects of the criterion functional on optimal fire-support policies.
Naval Postgraduate School (NPS55Tw55BW/6092) 1976. 48 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES

(cont'd)

- Brown, G G; Taylor, J G
Numerical determination of the parity-condition
parameter for Lanchester-type equations of modern
warfare.
Naval Postgraduate School, (NPS-557710), 1977. 23 p.
- Kodres, U R; Buttinger, J D; Hamming, R W; Jones, C R
A study of alternatives for VSTOL computer systems.
Naval Postgraduate School, (NPS-5278001), 1978. 251
p.
- Kodres, U R; Buttinger, J D; Hamming, R W; Jones, C R
A study of alternatives for VSTOL computer systems.
Sponsored by the Naval Weapons Center, China Lake,
Calif. Naval Postgraduate School, (NPS-5278001),
1978. 250 p.
- Matula, D W
Basic digit sets for radix representation.
Naval Postgraduate School, (NPS-5278002), 1978. 34
p.
- Raetz, G M; Thorpe, L A
Design manual for the vector general graphics display
unit.
Naval Postgraduate School (NPS-72RR76032) 1976. 77
p.
- Raetz, G M; Thorpe, L A
Users manual for the vector general graphics display
unit.
Naval Postgraduate School (NPS-72RR76031) 1976. 84
p.
- Schneidewind, N F; Howard, G T and others
Software error detection models, validation tests and
program complexity measures.
Naval Postgraduate School (NPS-52SS76111) 1976. 155
p.
- Schneidewind, N F; Howard, G T; Kirchgaessner, M
Software error detection models, validation tests and
program complexity.
Naval Postgraduate School, (NPS-52SS76111), Nov.
1976. 154 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
CONFERENCE PRESENTATIONS

- Comstock, C
Finite elements in non-linear wave propagation problems.
AMS Regional Meeting, Portland, Ore., June 1976.
- Comstock, C
Finite elements in wave propagation.
Calif. State, San Francisco, Calif., Oct., 1976.
- Comstock, C; Paulkner, F
On the analysis of weather forecasting
Soc. Ind. and Appl. Math., Milwaukee, Wis., June,
1978.
- Franke, R H
The use of iterative linear equation solvers with Gear's
method.
SIAM Meeting, Atlanta, Ga., Oct. 20, 1976.
- Franke, R H
Comparison of some local methods for interpolation of
scattered data
Soc. Ind. and Appl. Math., Spring Meeting, Madison,
Wis., May, 1978.
- Russak, I B
Relations among the multipliers for problems with
bounded state constraints.
Conf. on Decision and Control, Clearwater Beach,
Fla., Dec 1976.
- Wang, P C C
Workshops on protection techniques and ice conditions in
transit
1st Int. Conf. on Iceberg Utilization, Iowa State
University, Oct. 2-6, 1977.
- Wang, P C C; Stolfi, R H; Fuhs, A E
Applied mathematics and engineering in the transport of
Antarctic ice resources
1st Linkage Between Appl. Mathematics and Industry,
Naval Postgraduate School, Monterey, Calif., Feb.
22-25, 1978.
IN Information Linkage Between Appl. Mathematics
and Industry. (Academic Press).
- Weir, M D
Hewitt-Nachbin spaces
California Polytechnic Univ., Feb., 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
CONFERENCE PRESENTATIONS

(cont'd)

Weir, M D
Hewitt-Nachbin spaces
California Polytecnic Univ.

Wilde, C O
The undergraduate mathematics applications project
Soc. for Industrial and Appl. Mathematics Fall 1977
Meeting, Albuquerque, N. M., Nov. 1, 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
CONTRIBUTIONS TO BOOKS

- Wang, P C C; Stolfi, R H; Lake, G E
A graphical representation of multivariate data: Soviet
policy in Sub-Saharan Africa (U)
New York, Academic Press, 1978. 46 p.
- Wang, P C C
Automated production, storage, retrieval and display of
digitized engineering data, vol. I
Los Angeles, Western Periodicals, 1977. 367 p.
- Wang, P C C; Pounds, J; Nieland, B
A modernization plan for the technical data department
of Naval Ships Weapon Systems Engineering Station
IN P. C. C. Wang, ed. Automated Production,
Storage, Retrieval and Display of Digitized
Eng. Data. Los Angeles, Western Periodicals,
1977, p. 30.
- Wang, P C C
Graphical representation of multivariate data
New York, Academic Press, 1978. 278 p.
- Wilde, C O; Barrett, E B
Mathematics of image science.
Western Periodicals Co., Los Angeles, Calif., 1976.
- Wilde, C O; Barrett, E B
Image science mathematics
Los Angeles, Western Periodicals Co., 1977. 281 p.
Proceedings of the Symposium on Current Mathematical
Problems in Image Science, held at the Naval
Postgraduate School, Nov. 10-12, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
JOURNAL PJBS & CONFERENCE PROCS

- Comstock, C; Dunne, P W
Second-order equations with two point and integral
boundary conditions.
J. Math. Anal. Appl., vol. 54, p. 558-562, (1976).
- Davis, D L
A correct proof of Huang's t
IEEE Trans. Acoustics, Speech, Signal Process., vol.
24, p. 425-426, (1976).
- Franke, R H
On the minimum number of points required by certain
cubature formulas
Bull. Calcutta Math. Soc., vol. 68, p. 175-178,
(1976).
- Franke, R H
On the convergence of an algorithm for rational
Chebyshev approximation.
Rocky Mt. J. Math., vol. 6, no. 2, p. 227-236,
(1976).
- Franke, R H
Locally determined smooth interpolation at irregularly
spaced points in several variables
Inst. Math. and its Applications, vol. 19, p.
471-482, (1977).
- Franke, R H
On the computation of optimal approximations in Sard
corner spaces
Soc. Ind. and Appl. Math. J. Numerical Anal., vol.
15, no. 4, p. 791-800, (1978).
- Jayachandran, T
A confidence interval for an interclass mean
Naval Res. Log. Q., vol. 24, no. 1, (1977).
- Jayachandran, T; Moore, L R
A comparison of reliability growth models
IEEE Trans. on Reliability, vol. R-25, no. 1, (1976).
- Russak, I B
Relations among the multipliers for problems with
bounded state constraints
SIAM J. of Control and Optimization, vol. 14, no. 16,
(1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Russak, I B
An indirect sufficiency proof for problems with bounded state variables.
Pacific J. Math., vol. 62, no. 1, p. 219-253, (1976).
- Schoenstadt, A L
A comparison of the Lieberman-Ross and Mann-Grubbs methods.
J. Am. Statist. Assoc. (1976).
- Schoenstadt, A L
Limit cycles in a damped and biased relay system.
SIAM J. Appl. Math. (1976).
- Schoenstadt, A L
The effect of spatial discretization on the steady-state and transient solutions of a dispersive wave equation.
J. Computational Phys. (1976).
- Schoenstadt, A L
The effect of discretization on the process of geostrophic adjustment.
IN EOS, vol. 57, no. 12, p. 927, 1976.
- Schoenstadt, A L; Williams, R T
The computational stability properties of the Shuman pressure gradient averaging technique.
J. Computational Phys., vol. 21, no. 2, p. 166-177, (1976).
- Wang, P C C; Lake, G
Graphical multivariate data techniques in policy sciences
Symposium on Graphical Representation of Multivariate Data, Naval Postgraduate School, Monterey, Calif., Feb. 24, 1978.
IN Graphical Representation of Multivariate Data. New York, Academic Press, 1978, p. 278.
- Weir, M D
PSI in linear algebra at NPS.
Rocky Mt. Math. Consortium Conf. Innovative Teaching in Coll. Math., Tucson, Mar 25-27, 1976.
IN Proc. 1976.
- Weir, M D; Peckham, H D
Introduction to the TI-59 programmable calculator
Calculators and Computers Magazine, vol. 2, no. 6, p. 52-57, (1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
TECHNICAL REPORTS AND NOTES

- Comstock, C
A study of recent numerical methods for the barotropic primitive equations.
Naval Postgraduate School (NPS-53CS76014) 1976. 32 p.
- Comstock, C; Taylor, J G
Force-annihilation conditions for variable-coefficient Lanchester-type equations of modern warfare, I: Mathematical theory.
Naval Postgraduate School (NPS-55TW76081) 1976. 35 p.
- Davis, D L
The coefficient space approach to the stability of multi-dimensional digital filters.
Naval Postgraduate School (NPS-53DV76081) 1976. 16 p.
- Franke, R H
A program for the numerical solution of large sparse systems of algebraic and implicitly defined stiff differential equations.
Naval Postgraduate School (NPS-53FE76051) 1976. 51 p.
- Franke, R H
On the computation of optimal approximations in sard corner spaces.
Naval Postgraduate School (NPS-53FE76121) 1976. 22 p.
- Franke, R H
Smooth surface approximation by a local method of interpolation at scattered points
Sponsored by the Foundation Res. Program. Naval Postgraduate School, (NPS-5378002), 1978. 55 p.
- Franke, R H
Reproducing kernel functions for the Sard corner spaces B (p,q)
Sponsored by the Foundation Res. Program. Naval Postgraduate School, (NPS-5378001), 1978. 9 p.
- Franke, R H; Bell, E L
A numerical comparison of Toeplitz equation solving algorithms.
Naval Postgraduate School (NPS-53FE76041) 1976. 11 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES

(cont'd)

- Franke, R H; Salinas, D; Nguyen, D H
An optimum compact storage scheme for nonlinear reactor problems by FEM.
Naval Postgraduate School (NPS-69ZC76111) 1976.
- Russak, I B
Concerning the RCM and other simulation programs.
Naval Postgraduate School (NPS-53RU76091) 1976. 47 p.
- Schoenstadt, A L
The influence of data order on the Lieberman-Ross method.
Naval Postgraduate School (NPS-53ZH76047) 1976.
- Schoenstadt, A L
Limit cycles in a damped and biased relay system.
Naval Postgraduate School (NPS-53ZH76081) 1976. 40 p.
- Schoenstadt, A L
A comparison on the Lieberman-Ross and Mann-Grubbs methods.
Naval Postgraduate School (NPS-53ZH76091) 1976. 20 p.
- Schoenstadt, A L
The effect of spatial discretization on the steady-state and transient solutions of a dispersive wave equation.
Naval Postgraduate School (NPS-53ZH76036) 1976. 34 p.
- Wang, P C C; Kelly, J B
PRC: an analysis of the PRC Navy force strengths and capabilities with a projection of this force through 1987 (U)
Sponsored by the Naval Intelligence Command. Naval Postgraduate School, (NPS-53Wg77032), 1977.
- Wang, P C C; Stolfi, R H
A general methodology for forecasting Soviet Naval technological threat (U)
Sponsored by the Naval Intelligence Command. Naval Postgraduate School, (NPS-53Wg77062), 1977. 250 p.
- Wang, P C C; Stolfi, R H
An analyst's guide to technological threat forecasting (U)
Sponsored by the Naval Intelligence Command. Naval Postgraduate School, (NPS-53Wg771101), 1978. 346 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES

(cont'd)

Wang, P C C; Stolfi, R H; Montana, R F; Smith, J R
A systematic analysis of Soviet shipboard ASW
helicopters - past, present and future (U)
Sponsored by the Naval Intelligence Command. Naval
Postgraduate School, (NPS-53Wg77031), 1977.

Wang, P C C; Stolfi, R H; Nelson, G S
Future Soviet ASW sonar systems for surface combatants
(U)
Sponsored by the Naval Intelligence Command. Naval
Postgraduate School, (NPS-53Wg7734), 1977.

Wang, P C C; Stolfi, R H; Lake, G E
A graphical representation of multivariate data: Soviet
policy in Sub-Saharan Africa (U)
Sponsored by the Naval Intelligence Command. Naval
Postgraduate School, (NPS-53Wg77061), 1977. 46 p.

Wang, P C C; Stolfi, R H; Hamilton, S H; Kaufhold, F
Soviet wing-in-ground effect vehicles: their
development, use and future characteristics (U)
Sponsored by the Naval Intelligence Command. Naval
Postgraduate School, (NPS-53Wg77051), 1977.

Wang, P C C; Long, S T; Stolfi, R H
An outsider's view of the Phoenix/ANG-9 weapon system
(U)
Sponsored by the Naval Intelligence Command. Naval
Postgraduate School, (NPS-53Wg77033), 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS

- Arima, J K
Measuring recruiter effectiveness.
38th Military Operations Research Symposium, Dec.
7-9, 1976.
- Arima, J K
Objective indices of recruiter effectiveness.
84th Annual Convention of the American Psychological
Association, Washington, D. C., Sept. 3-7, 1976.
- Arima, J K
Navy ships as open systems: perspectives in
multiorganizational research.
85th Annual Convention of the American Psychological
Association, San Francisco, Calif., Aug. 26-30, 1977.
- Arima, J K
Successes and trends
40th Military Oper. Res. Sym., Naval Postgraduate
School, Monterey, Calif., Dec. 13-15, 1977.
- Arima, J K
Navy recruiting advertising--yes, it works--some
86th Ann. Convention of the Am. Psychological Assoc.,
Montreal, Canada, Aug. 28-Sept. 1, 1978.
- Arima, J K
A culture-free performance test of learning aptitude
1978 Ann. Meeting of the Western Psychological
Assoc., San Francisco, Calif., Apr. 19-22, 1978.
- Arima, J K; Janowitz, M
Organizational development in the military services.
84th Annual Convention of the American Psychological
Association, Washington, D. C., Sept. 3-7, 1976.
- Eoyang, C K
Organization design: A Maoist perspective. Working
paper series.
Presented at the Annual Meeting of The Institute of
Management Sciences, San Francisco, Calif., May 8,
1977.
- Fremgen, J M
Measurement issues in the FASB's conceptual framework
for accounting and reporting.
Presented at the 1977 Annual International Conference
of National Association of Accountants, Chicago,
Ill., June 20-22, 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Fremgen, J M
Fixed budgets in a flexible world: the dilemma of government management
Western Regional Meeting of Am. Accounting Assoc., Pasadena, Calif., May 5, 1978.
- Fremgen, J M
The conceptual framework for financial accounting and reporting
Mon. Technical Meeting of Salinas Valley-Monterey Peninsula Chapter of Nat. Assoc. of Accountants, Salinas, Calif., May 16, 1978.
- Kline, M B
A critique of the requirements determination process.
EIA Design/Support Effectiveness Seminar, Los Angeles, Calif., Sept. 30, 1976.
- Kline, M B
Naval Postgraduate School educational programs and their potential application to ATE education.
Automatic Test Equipment Conf. and Workshop, San Diego, Calif., Apr. 12-15, 1976.
- Kline, M B
Maintainability considerations.
IEEE Reliability Seminar, Stanford University, Palo Alto, Calif., Jan. 15, 1977.
- Kline, M B
Recent changes in defense system acquisition.
Presented at the Santa Clara Chapter, Society of Logistics Engineers, Sunnyvale, Calif., Jan. 10, 1977.
- Kline, M B
Software maintainability
Seminar on Software Reliability and Maintainability, Telub AB, Vaxjo, Sweden, June 9, 1978.
- Kline, M B
Maintainability considerations in system design
Seminar on Reliability and Maintainability of Nuclear Power Systems, Royal Inst. of Technol., Stockholm, Sweden, June 13-14, 1978.
- Paringer, L; Mushkin, S; Chen, M
An initial assessment of impacts on health expenditures.
Atlantic Economic Conference, Oct. 14-15, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Schneidewind, N F; Hoffman, M H
An experiment in software error data collection and analysis.
6th Texas Conference on Computing Systems, Austin, Tex., Nov. 1977.
- Senger, J D
Psychological correlates of Naval officer promotion patterns.
5th MORS, Ft. Bliss, Tex., June 22-24, 1976.
- Senger, J D
Sailors' age related perceptions of supervisory and peer leadership
86th Ann. Am. Psychological Assoc. Convention, Toronto, Canada, Aug. 31, 1978.
- Weitzman, R A
Superiority of fit.
Psychometric Society meeting at the University of North Carolina, June 1977.
- Weitzman, R A
True-score estimation of cell frequencies in pattern analysis.
American Psychological Association, San Francisco, Calif., Aug. 1977.
- Weitzman, R A
Reduction of shrinkage in pattern analysis
Ann. Meeting of the Psychometric Soc., McMaster Univ., Hamilton, Ontario, Canada, Aug., 1978.
- Weitzman, R A
Test bias: one of those partial correlations is the answer
Ann. Convention of the Am. Psychological Assoc., Toronto, Canada, Aug., 1978.
- Whipple, D R
Development of management incentives to accompany capitation budgeting in the U. S. military health care delivery system.
10th Annual Health Sys. Res. Symp., Miami, Fla., Nov. 1976.
- Whipple, D R; Block, M and others
Some determinants of physician migration to the United States.
Western Economics Assoc. Meetings, San Francisco, Calif., June, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

Wright, C A

Human resource management problems and military organizations in the Vietnam and post war era.
Special Presentation to Staff officers and Junior officers, Senior and Junior NCOs of the Human Relations Section of the First Marine Division.
Conf. and Human Resources Probe requested by LGE

Wright, C A

The prevention of racial incidents/training accidents: Some realities and salient factors that contribute to causation.
Special presentation to staff officers & junior officers, senior & junior NCOs of the Human Relations Section of the First Marine Division. U. S. Marine Corps Base, Camp Pendleton, Calif., Nov. 15-17, 1977.

Wright, C A

Military human resources management problems in the post Vietnam era: Forces creating the vacuum conducive to unionization--some proposed countermeasures.
Presented at the 39th Military Operations Research Symposium, U. S. Naval Academy, Annapolis, Md., June 28-30, 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONTRIBUTIONS TO BOOKS

- Premgen, J M
Accounting for managerial analysis.
3d ed., R. D. Irwin, 1976. 546 p.
- Kline, M B
Maintainability engineering theory and practice
engineering design handbook.
Army Material Command AMPC 706-133, 1976. 450 p.
- Schneidewind, N F
The use of simulation in the evaluation of software
IN Tutorial - Program Testing Techniques, Edward
F. Miller, Jr., ed., IEEE Computer Soc., Nov.
8-11, 1977.
- Senger, J D
Managers' perceptions of subordinates' competence as a
function of personal values orientation
IN Dennis Organ, ed. The Appl. Psychology of
Work Behavior: A Book of Readings. Business
Publications, 1978, p. 61-70.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
JOURNAL PUBS & CONFERENCE PROCS

- Arima, J K
Measuring recruiter effectiveness.
IN Mil. Operations Res. Soc., Ft. Eustis, Va.,
Dec. 7-9, 1976.
- Arima, J K
Objective indices of recruiter effectiveness.
IN Am. Psychol. Assoc., Washington, D. C., Sept.
7-10, 1976.
- Arima, J K
Measuring the fit between person and equipment.
IN Western Psychol. Assoc., Los Angeles, Calif.,
Apr. 8-11, 1976.
- Arima, J K
The incentive potential of the Navy campus for
achievement in recruiting.
Unnumbered, 1976.
- Arima, J K
Systems analysis of Navy recruiting.
JSAS Catalog of Selected Documents in Psychology,
vol. 7, p. 59, (Ms. 1504), (1977).
- Arima, J K
A culture-free performance test of learning aptitude
19th Ann. Conference of the Military Testing Assoc.,
San Antonio, Tex., Oct. 17-21, 1971.
IN Proc., Military Testing Assoc., 1978.
- Arima, J K; Janowitz, M
Organizational development in the military services.
IN Inter-Univ. Seminar Armed Forces and Soc.,
Washington, D. C., Sept. 6, 1976.
- Eoyang, C K
Requisite variety in organizations
22nd Ann. North American Meeting of the Soc. for
General Sys. Res., Washington, D. C., Feb 13-15,
1978.
IN Avoiding Social Catastrophies and Maximizing
Social Opportunities: The General Systems
Challenge, Society for General Systems Research,
1
- Elster, R S
Relevant military research on productivity and
motivation
Military Productivity and Work Motivation, New York,
N. Y., Apr. 10, 1978.
IN Proc., Navy Personnel Res. and Development
Center, 1978, p. 93.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Elster, R S
Summary of the conference
Marine Corps and Navy Man and Woman-Power:
Requirements and Considerations, Leesburg, Va., Mar.
7, 1978.
IN Proc., Washington, D. C., Smithsonian Inst.,
1978, p. 16.
- Boyang, C K; Haga, W J
Old wine in new bottles
Behavior Sci., vol. 22, no. 1, (1977).
- Haga, W J
One sociologist's reply to Wieland's review essay.
Acad. Management Rev. (1976).
- Judson, R R
Acquisition research.
Naval Res. Revs., vol. 29, no. 2, p. 14-16, (1976).
- Kline, M B
A critical appraisal of the requirements determination
process.
Naval Aviation Executive Institute Tactical Missile
Colloq., Naval Postgraduate School, Apr. 25-30, 1976.
IN Proc., (1976).
- Kline, M B
Maintainability consideration in system design.
Annual Reliability Eng. Conf. for the Electric Power
Industry, Montreal, Canada, Sept. 23-24, 1976.
IN Proc., 68-78, (1976).
- Kline, M B
Logistic support planning
Today's Logistics: Spares Provisioning--Problems and
Solutions, Rome, Italy, May 22-24, 1978.
IN Proc., Soc. of Log. Engineers and Selenia,
Rome, Italy, 1978, p. 14-33.
- Kline, M B
Conceptual phase planning for logistic support: the
impact of OMB Circular A-109
Ann. Int. Log. Sym., St. Louis, Mo., Aug. 22-24,
1978.
IN Proc., Soc. of Log. Engineers, 1978, p. 4-1 to
4-19.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Kline, M B; Masten, R L; Di Pasquale, J; Hamilton, T A
An analysis of the evolution of the reliability and maintainability disciplines
Int. Conference on Reliability and Maintainability, Paris, France, June 19-23, 1978.
IN Proc., Centre Nat. d'Etudes des Telecommunications, Bagneux, France, 1978, p. xxi-xxxi.
- Liao, S S
Learner-directed instruction: additional evidences.
Accounting Rev.
- Liao, S S
Relevance, level of analysis, and behavioral studies on financial reporting,
American Accounting Association Southwest Regional Meeting, New Orleans, La., Mar. 23-26, 1977.
- Liao, S S
Where skinner's theories work in professional education.
American Accounting Association Southwest Regional Meeting, New Orleans, La., Mar. 23-26, 1977.
IN Proc., p. 141-147.
- Liao, S S
Learner directed instruction: additional evidences.
Accounting Rev., vol. 3, no. 1, p. 155-161, (Jan., 1978).
- Liao, S S
Learner-directed instruction: additional evidences
The Accounting Rev., vol. 53, no. 1, p. 155-161, (1978).
- Schneidewind, N F
Modularity considerations in the design of real time operating systems
IEEE Computer Society's 1st Int. Computer Software and Applications Conference, Chicago, Ill., Nov. 8-11, 1977.
IN Proc., IEEE Computer Soc., 1977, p. 397-403.
- Schneidewind, N F
Software engineering of the micro/mini computer subnet in computer networks
IEEE Computer Society's 2nd Int. Computers Software and Applications Conference, Chicago, Ill., Nov. 13-16, 1978.
IN Proc., IEEE Computer Soc., 1978, p. 508-513.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Schneidewind, N F
The applicability of hardware reliability principles to
computer software
Software Quality Management Conference, Washington,
D. C., Sept. 11-13, 1978.
- Schneidewind, N F
Emulation: tool for software development
1978 Nat. Computer Conference, Anaheim, Calif., June,
1978.
IN Proc., Am. Federation of Information Processing
Societies, 1978, p. 367-372.
- Schneidewind, N F
Software engineering of the micro/mini computer subnet
in computer networks
IEEE Computer Society's 2nd Int. Computer Software
and Applications Conference, Nov., 1978.
IN Proc., p. 508-513.
- Schneidewind, N F
Comparison of software error simulation and real program
results
Joint Nat. ORSA/TIMS Meeting, New York, N. Y., May
1-3, 1978.
- Schneidewind, N F; Hoffmann, H M
An experiment in software error data collection and
analysis
6th Texas Conference on Computing Systems, Univ. of
Texas, Austin, Tex., Nov., 1977.
IN Proc., IEEE Computer Soc., 1977, p. 4A1-4A12.
- Schneidewind, N F; Hoffmann, H M
Software error data collection and analysis
1978 Summer Computer Simulation Conference, Newport,
Beach, Calif., July 24-26, 1978.
IN Proc., Am. Federation of Information Processing
Societies Press, 1978, p. 748-753.
- Whipple, D R; Block, M
Controlling hospital costs: An index approach.
Inquiry, vol. 13, no. 1, p. 97-99, (1976).
- Whipple, D R; Terasawa, K
Optimal replacement: An extension to consumer durables.
Economic Studies Quarterly, vol. 27, p. 34-45,
(1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOURNAL PJBS & CONFERENCE PROCS (cont'd)

Whipple, D R; Terasawa, I
On pricing publicly provided goods
Public Finance, (1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES

- Arima, J K
The incentive potential of the Navy campus for achievement in recruiting.
Naval Postgraduate School, Unnumbered Rept., 1976.
- Arima, J K
A systems analysis of Navy recruiting.
Navy Personnel Res. Develop. Center Spec. Rept. (76-9), (1976).
- Arima, J K
Educational and training opportunities as incentives for military service
Sponsored by the Navy Personnel Research and Development Center. Naval Postgraduate School, (NPS-54783), 1978. 30 p.
- Arima, J K
A culture-free performance test of learning aptitude
Naval Postgraduate School, (NPS-54782), 1979. 33 p.
- Arima, J K
A culture-free performance test of learning aptitude.
Naval Postgraduate School, (NPS-54782), 1979. 33 p.
- Arima, J K
Educational and training opportunities as incentives for military service.
Naval Postgraduate School, (NPS-54783), 1978. 30 p.
- Arima, J K
Determinants and a measure of Navy recruiter effectiveness
Navy Personnel Research and Development Center, San Diego, Calif., (NPRDC TR 78-21), 1978. 79 p.
- Arima, J K
Determinants and a measure of recruiter effectiveness.
Navy Personnel Research and Development Center (NPRDC - TR -TR-78-21)
- Arima, J K; Neil, D E
Skill deterioration and its management
Sponsored by the Program Planning Office, Office of the Chief of Naval Operations, Dept. of the Navy.
Naval Postgraduate School, (NPS-55787), 1978. 70 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- Derr, C B
Ob won't work in schools.
Organization Development in Schools: A Report Card
(1976).
- Derr, C B
A theory and research instruments for studying U.S.
Naval officer careers.
Naval Postgraduate School, (NPS-547701), 1977. 38 p.
- Eoyang, C K
Military personnel research: science or politics.
Naval Postgraduate School, Oct. 1977. 18 p. (HRM
working paper series).
- Eoyang, C K
Multi-organizational research in the Navy: future
directions.
(HRM working paper series, no. 4), Monterey, Calif.,
Naval Postgraduate School, 1977. 12 p.
- Forrest, R N
Magnetic anomaly detection models.
Naval Postgraduate School, (NPS-557719), 1977. 88 p.
- Giaugue, W C
A multiattribute approach to measure quality of health
care.
Naval Postgraduate School, (NPS-553176031), 1976. 21
p.
- Giaugue, W C; Derr, C B; Eoyang, C K; Harris, R T
Studies of the effectiveness of paramedical personnel
usage in medical care delivery.
Naval Postgraduate School, (NPS-54781), 1977. 160 p.
- Giaugue, W C; Dora, C B; Eoyang, C K; Harris, R T
Studies of the effectiveness of paramedical personnel
usage in medical care delivery.
Naval Postgraduate School, (NPS-54781), 1977. 160 p.
- Giaugue, W C; Kline, M B
Ammunition development for 8" major caliber lightweight
gun.
Naval Postgraduate School (NPS-54GI77041) 1977, 25 p.
- Jones, C R; Johnson, R L and others
Life cycle costing of an emerging technology: The fiber
optics case.
Naval Postgraduate School (NPS-55JS76031) 1976. 428
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- McMasters, A W; Hanson, R L
Budgeting for repairable secondary items at the Naval
Electronics Systems Command
Sponsored by the Naval Electronic Systems Command.
Naval Postgraduate School, (NPS-5478007), 1978. 41
p.
- Senger, J D
Sailors' age related attitudes toward supervisors and
peer leadership.
Naval Postgraduate School, (NPS-54Se77061), 1977. 34
p.
- Weitzman, R A
Superiority of fit.
Naval Postgraduate School (NPS-54WZ76091) 1976. 9 p.
- Weitzman, R A
Aggregation of enlisted pay grades and service ratings
by tasks performed: implications for officer
subspecialty aggregation
Sponsored by the Bureau of Naval Personnel and
Foundation Research Program. Naval Postgraduate
School, (NPS-5478008), 1978. 23 p.
- Weitzman, R A
Bias-free selection: better cutting scores or better
tests?
Naval Postgraduate School, (NPS-5478006), 1978. 27
p.
- Whipple, D R
Internal incentives in the military health care delivery
system.
Naval Postgraduate School, 1977. 40 p.
- Whipple, D R
The construction of performance indicator, for use with
capitation budgeting in the MHSS.
Naval Postgraduate School, 1977. 110 p.
- Whipple, D R
Capitation/incentive project: working papers.
Naval Postgraduate School, 1977. 80 p.
- Whipple, D R
Capitation/incentive project: final report and
recommendation.
Naval Postgraduate School, 1977. 25 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

Whipple, D R
Some thoughts on the use of survey methods in policy
research.
Naval Postgraduate School, (NPS-54784), 1979. 18 p.

Whipple, D R; Menzel, B
The contribution of non-physician providers to the
search for a non-equitable and efficient health care
delivery system.
Naval Postgraduate School, 1977. 35 p.

Whipple, D R; Menzel, B
The limited use of non-physician providers: Is more
research the cure?
Naval Postgraduate School, (NPS-54771), 1977. 37 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS

- Lewis, P A W
Applications of DARMA-type processes
Am. Stat. Assoc. Ann. Meeting, San Diego, Calif.,
Aug. 17, 1978.
- Barr, D R; Richards, F R
Characteristics of MO3's in the C3 setting
Military Ops. Res. Symposium, Monterey, Calif.,
Dec. 1977.
- Barr, D R; Thomas, M
Statistical lumpability of a Markov manpower model.
Operations Research Society of America Meetings,
Chicago, Ill., Mar. 1977.
- Brown, G G
Special topics in optimization, six lectures from
personal perspective
Lecture Series of the Chancellor's Scholar, Univ. of
California, Los Angeles, Calif., Oct.-Nov., 1978.
- Brown, G G
Large scale logistics system design: interface issues
for optimization and information
Nat. Council on Physical Distribution Manage.,
Chicago, Ill., Oct. 16, 1978.
- Brown, G G
Computer assisted fleet dispatch
Nat. Council on Physical Distribution Manage.,
Chicago, Ill., Oct. 16, 1978.
- Brown, G G
Perspectives in the design of the new generation of
optimization systems
Univ. of Tennessee/Oak Ridge Nat. Laboratory Seminar,
Knoxville, Tenn., Feb. 4, 1978.
- Brown, G G; Bradley, G H; Graves, G W
Fleet vehicle scheduling: a practical application of
the quadratic assignment model
Applications of Transportation Models Session,
ORSA/TIMS Conference, Los Angeles, Calif., Nov. 13,
1978.
- Brown, G G; Bradley, G
Extensions of network optimization algorithms.
Association for Computing Machinery National Meeting,
Houston, Tex., Oct. 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS

(cont'd)

- Brown, G G; Bradley, G
Energy modelling with network optimization.
Federal Energy Administration, Washington, D. C.,
Sept., 1976.
- Brown, G G; Bradley, G
Network optimization and defense modelling.
Center for Naval Analyses, Arlington, Va., Aug. 1976.
- Brown, G G; Bradley, G; Graves, G
Preprocessing of large linear programs.
ORSA/TIMS, Atlanta, Ga., Nov. 1977.
- Brown, G G; Bradley, G H; Geoffrion, A M; Schmitt, R G
Production planning at a building materials company
Production Planning Systems in the Molding Industry,
ORSA/TIMS Conference, Los Angeles, Calif., Nov. 15,
1978.
- Brown, G G; Bradley, G H; Graves, G W
Improvements in large scale primal network algorithms
Network Flows Session, ORSA/TIMS Conference, Atlanta,
Ga., Nov. 7, 1977.
- Brown, G G; Bradley, G H; Graves, G W
Preprocessing of large linear programs
Large Scale Systems Session, ORSA/TIMS Conference,
Atlanta, Ga., Nov. 9, 1977.
- Brown, G G; Graves, G
Use of elastic linear programming
ORSA/TIMS, Atlanta, Ga., Nov. 1977.
- Brown, G G; Graves, G
Use of simple algebraic structures for implementing
algorithms in large scale mathematical programming.
American Mathematical Society 746th Meeting, Hayward,
Calif., Apr. 1977.
- Brown, G G; Graves, G W
Use of elastic linear programming
Large Scale Linear Programs Session, ORSA/TIMS
Conference, Atlanta, Ga., Nov. 7, 1977.
- Brown, G G; Graves, G W
Open questions in basis representation and manipulation
Large Scale Linear Programming Session, ORSA/TIMS
Conference, Los Angeles, Calif., Nov. 14, 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G; Taylor, J
Further canonical methods in the solution of
variable-coefficient Lanchester-type equations of modern
warfare: a new definition of power Lanchester
functions.
ORSA/TIMS, Miami, Fla., Nov. 1976.
- Brown, G G; Taylor, J
Numerical determination of the parity-condition
parameter for Lanchester-type equations of modern
warfare.
ORSA/TIMS, Atlanta, Ga., Nov. 1977.
- Butterworth, R W
Interactive system modelling.
ORSA - Western Section, Univ. of Southern California,
Sept. 16-17, 1976.
- Butterworth, R W
Minifast-interactive personnel system model.
Joint WORC-TIMS (DC) Manpower Symposium, Washington,
D. C., Apr. 5-6, 1976.
- Esary, J D
The effect of modeling depth on reliability prediction
for systems subject to a phased mission profile.
International Conference on Nuclear Systems
Reliability Engineering and Risk Assessment,
Gatlinburg, Tenn., June 20-24, 1977.
- Gaver, D P
Random record models.
Meeting of Inst. of Math. Statistics, Santa Barbara,
Calif., 1976.
- Gaver, D P; Jacobs, P A
Storage problems when demand is: all or nothing
ORSA/TIMS Nat. Meeting, Los Angeles, Calif., Nov.,
1978.
- Gaver, D P; Lehoczky, J P
Models of terminal user behavior in a time sharing
environment
ORSA/TIMS Nat. Meeting, New York, N. Y., May, 1978.
- Gaver, D P; Miller, R G
Jackknifing the Kaplan-Meier estimate
Joint Statistical Meeting, Am. Statistical Assoc.,
Los Angeles, Calif., Aug., 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS (cont'd)

- Hartman, J K
A review of some approaches to global optimization of
nonconvex nonlinear programs.
Presented at the Joint TIMS/ORSA meeting, San
Francisco, Calif., May 9-11, 1977.
- Larson, H J
Econometrics in systems analysis.
Presented at the 3rd Annual Meeting of Systems
Analysis Society of China, Taipei, Taiwan, Sept. 12,
1976.
- Larson, H J
Econometrics in systems analysis
3rd Annual Meeting, Systems Analysis Society of
China, Tam Kang College, Taipei, Taiwan, Sept. 12,
1976.
- Lewis, P A W
Discrete time-series generated by mixtures
Imperial College, London, England, Dept. of
Mathematics, July 31, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
University of Wellington, Wellington, N. Z., July 3,
1978.
- Lewis, P A W
Discrete time-series generated by mixtures
Princeton Univ., Statistics Dept., Princeton, N. J.,
Oct. 19, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
Winter Simulation Conference, Miami, Fla., Dec. 4,
1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
Naval Postgraduate School, Monterey, Calif., Sept.
21, 1978.
- Lewis, P A W
Simple models for positive-valued and discrete-valued
time series with ARMA correlation structure
5th Int. Multivariate Symposium, June 20, 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS (cont'd)

- Lewis, P A W
Discrete time series generated by mixtures
U. C. Berkeley, Berkeley, Calif., Dept. of
Statistics, May 9, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
Bell Telephone Labs., Holmdel, N. J., Oper. Res.
Dept., Oct. 18, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
University of Western Australia, Perth, West
Australia, July 14, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
Virginia Polytechnic Inst., Depts. of Oper. Res. and
Computer Science, Blacksburg, Va., Oct. 23, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
IBM Res. Labs., Oct. 16, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
U. C. Santa Barbara, Mathematics Dept., Santa
Barbara, Calif., Nov. 9, 1978.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
Florida State Univ., Statistics Dept., Tallahassee,
Fla., Dec. 1, 1978.
- Lewis, P A W
Discrete time-series generated by mixtures
Stochastic Processes and their Applications, July 10,
1978, Int. Conference, Canberra, Australia.
- Lewis, P A W
Simulation of non-homogeneous Poisson processes
Sloan Kettering Cancer Inst., Biostatistics Dept.,
New York, N. Y., Oct. 17, 1978.
- Marshall, K T; Grinold, R C
Some long-range optimization models for manpower
planning.
Symp. on Recent Developments in Quantitative Human
Resources Planning, Bell Laboratories, Holmdel, N.
J., Oct. 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Milch, P R
Two models for the prediction of advancements in the
Navy Enlisted Force.
Presented at the ORSA/TIMS Joint National Meeting,
San Francisco, Calif., May 9, 1977.
- Milch, P R
Eurocommunism Hungarian style
Eurocommunism, Eastern Europe and the USSR. Naval
Postgraduate School, Monterey, Calif., Aug. 21-22,
1978.
- Neil, D E
Individual differences in industrial design.
Ind. Design Soc. of Am., San Jose, Calif., Apr. 21,
1976.
- Neil, D E
Biologic periodicity and behavior modification.
Behavior Modification and Industry Conference, Palo
Alto, Calif., May, 1977.
- Neil, D E
Human factors/systems psychology as applied to heavy
duty motor truck safety
Int. Safety Congress and Maintenance Inst., San
Francisco, Calif., May 1978.
- Parry, S H
Cost and operational effectiveness analysis (CJEA)
methodology - the XM1 tank.
Operations Res. Soc. Am., Western Meeting, Los
Angeles, Calif., Sept. 1976.
- Poock, G K
The physics of high voltage photography as applicable to
psychology.
San Jose State Univ. Spartan Bay Psychol. Spring
Convention, April 23, 1976.
- Poock, G K
Teaching military officers command and control
technologies using the ARPANET
ARPA Information Processing Techniques Office Annual
Conference, State of the Art, Naval Ocean Systems
Center, San Diego, Calif., Oct. 31, 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS

(cont'd)

- Richards, F R
Academic research in inventory theory and its relation
to the Naval Supply system.
NAVSUP Inventory Policy Advisory Council, Wash., D.
C., Dec. 1976.
- Richards, F R
Analysis of deficits in discrete time resource
allocation problems with correlated supplies and
demands.
SIAM 1976 Fall Meeting, Georgia Tech, Atlanta, Ga.,
Oct. 1976.
- Richards, F R; Marshall, K T
Analysis of deficits in discrete time resource
allocation problems with correlated supplies and
demands.
SIAM 1976 Fall Meeting at Georgia Tech, Oct. 1976.
- Shudde, R H
Role of the handheld calculator in the Navy
5th Nat. PROCAL Workshop, Naval Ocean Systems Center,
San Diego, Calif., Nov. 1-4, 1977.
- Shudde, R H
Recent developments in the use of the handheld
calculator by the Navy
6th Nat. PROCAL Workshop, Naval Ocean Systems Center,
Oxnard, Calif., May 9-11, 1978.
- Sovereign, M G
Modeling of Command and Control in theatre-level combat
models.
ONR Theatre-Level Gaming and Analysis Workshop,
Leesburg, Va., Sept. 28, 1977.
- Sovereign, M G
Navy experiences with design to cost
Am. Inst. of Industrial Engineers Seminar on Design
to Cost, San Francisco, Calif., Apr. 21, 1978.
- Taylor, J G
Concentration of forces in some Lanchester-type combat
models.
Western Section of ORSA 1976 Meeting, Los Angeles,
Calif., Sept. 16-17, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS (cont'd)

- Taylor, J G
State-of-the-art summary (Lanchester Theory).
15th Ann. U. S. Army Operations Res. Symp., Ft. Lee,
Va., Oct. 27-29, 1976.
- Taylor, J G
Some simple victory-prediction conditions for
Lanchester-type combat between two homogeneous forces
with supporting fires.
ORSA/TIMS Joint Nat. Meeting, New York, N. Y., May 3,
1978.
- Taylor, J G; Brown, G G
Numerical determination of the parity-condition
parameter for Lanchester-type equations of modern
warfare
ORSA/TIMS Joint Nat. Meeting, Atlanta, Ga., Nov. 8,
1977.
- Thomas, M U
A generalized maximum entropy principle in decision
modeling.
Univ. of Wisconsin-Madison Indust. Eng. Symp.,
Madison, Wis., Nov. 1976.
- Thomas, M U
Analyzing decision activities in man-machine systems.
Am. Inst. of Ind. Engrs., Peninsula Chapter 037, San
Jose, Calif., May 1976.
- Thomas, M U
Application of a maximum entropy principle in selecting
alternative harbor oil spill removal systems.
Univ. Wisconsin-Milwaukee, College of Engr. and
Applied Sci., Apr. 1976.
- Washburn, A R
MOE's for electronic warfare
41st Military Oper. Res. Soc. Symposium, Fort McNair,
Washington, D. C., July 11-13, 1978.
- Brown, G G; Taylor, J G
Numerical determination of the parity-condition
parameter for Lanchester-type equations of modern
warfare
Military Applications Session, ORSA/TIMS Conference,
Atlanta, Ga., Nov. 9, 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONTRIBUTIONS TO BOOKS

- Esary, J D
The effect of modeling depth on reliability prediction
for systems subject to a phased mission profile.
IN Nuclear Systems Reliability Engineering and
Risk Assessment, edited by J. B. Fussell and G.
R. Burdick, published by the Society for
Industrial and Applied Mathematics,
Philadelphia, Pa., 1977, p. 562-583.
- Forrest, R N
Naval Operations analysis.
Naval Institute Press, Annapolis, Md., p. 298-302.
- Gaver, D P
Probability models in logistics (Chapter 12).
Modern Trends in Logistics Res. M.I.T. Press, 1976,
p. 296-331.
- Gaver, D P
Ch. 3-7
Handbook of Oper. Res., vol. 1, Moder and Elmaghraby,
eds., New York, Van Nostrand Reinhold, 1978.
- Hartman, J K
Ch. 14 Modern techniques of O.A. - dynamic programming.
IN Naval Operations Analysis, 2nd ed. Naval
Institute Press, 1977, p. 289-295.
- Lewis, P A W; Cooley, J W; Welch, P D
The fast Fourier transform algorithm and its
applications
New York, John Wiley & Sons, 1978.
- Marshall, K T; Grinold, R C
Manpower planning models.
Amer. Elsevier, 1976.
- Marshall, K T; Grinold, R C
Manpower planning models.
American Elsevier, 1976. 256 p.
- Marshall, K T; Grinold, R C
Manpower planning under uncertain conditions
The Inst. of Manage. Science, Studies in the Manage.
Sciences, vol. 8, p. 209-217, (1978).
- Neil, D E
Laboratory investigations for the analysis of
biorhythms. (Ch. 7)
IN Albert Thumann, ed. Biorhythms and industrial
safety. Fairmont Press, 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONTRIBUTIONS TO BOOKS

(cont'd)

Neil, D E

Statistical techniques for the analysis of biorhythms.

(Ch. 6)

IN Albert Thumann, ed. Biorhythms and industrial
safety. Fairmont Press, 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS

- Barr, D R; Burnett, T
A nonparametric analogy of the analysis of covariance.
Journal of Educational and Psychological Measurement,
vol. 37, no. 1, (1977).
- Barr, D R; Richards, F R
Induced priors in decision problems.
The Annals of Statistics, vol. 5, no. 1, p. 182-184,
(1977).
- Barr, D R; Shudde, R
An analysis of earthquake frequency data.
Bull. of the Seismological Society of America (Oct.
1977).
- Barr, D R; Shudde, R H
An analysis of earthquake frequency data
Bull. Seismological Soc. Am., vol. 67, no. 5, p.
1379-1386, (1977).
- Barr, D R; Thomas, M
An approximate test of Markov chain lumpability.
J. Amer. Stat. Assoc., vol. 72, no. 357, (1977).
- Barr, D R; Thomas, M U
An eigenvector condition for Markov chain lumpability
Oper. Res., vol. 25, no. 6, p. 1028-1031, (1977).
- Brown, G G; Bradley, G; Graves, G
Design and implementation of large scale primal
transshipment algorithms.
IN Management Sci., vol. 24, no. 1, p. 1, (1977).
- Brown, G G; Rutemiller, J
Means and variances of stochastic vector products with
application.
Management Sci., vol. 24, no. 2, p. 210, (1977).
- Brown, G G; Rutemiller, H; Solberg, E
Maximum likelihood estimation of the probability of
labor force participation where the dependent variable
is binary, with an application to the AFDC
population-at-risk.
Atlantic Econ. Q., vol. 2, p. 22, (1977).
- Brown, G G; Taylor, J
An examination of the effects of the criterion
functional on optimal fire-support policies.
Naval Res. Log. Q.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Brown, G G; Taylor, J
Numerical determination of the parity-condition
parameter for Lanchester-type equations of modern
warfare.
Comput. Oper. Res.
- Gaver, D P
Exploratory analysis of access path length data for a
data base management system.
IBM J. Res. and Develop., vol. 20, no. 5, p. 449-464,
(1976).
- Gaver, D P
Random record models.
J. Appl. Probability, vol. 13, no. 3, p. 538-547,
(1976).
- Gaver, D P
Multitype multiprogramming probability models and
numerical procedures.
Intern. Symp. Computer Performance Modeling,
Measurement and Evaluation, Harvard University, Mar.,
1976.
IN Proc., 1976.
- Gaver, D P
A diffusion approximation solution for a repairman
problem with two types of failure
Management Sci., vol. 24, p. 71-81, (1977).
- Gaver, D P
Modeling and estimating the availability of complex
systems: the jackknife, common-cause, and inspection
models
23rd Conference on Design of Experiments in Army
Research Development and Testing, Monterey, Calif.,
Nov., 1978.
IN Proc.
- Gaver, D P; Chu, B
Stochastic models for repairable redundant systems
subject to common model failures
Nuclear Syst. Reliability and Risk Assessment,
p. 342-370, (1977).
- Gaver, D P; Humfeld, G
Multitype multiprogramming models
Acta Informatica, vol. 7, p. 111-121, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Gaver, D P; Lehoczky, J
A diffusion-approximation analysis of a general
n-compartment system
Math. Biosciences, vol. 36, p. 127-148, (1977).
- Gaver, D P; Lehoczky, J
Gaussian approximations to service problems: A
communication system example.
J. Appl. Probability, vol. 13, no. 4, p. 763-780,
(1976).
- Gaver, D P; Lehoczky, J
New diffusion approximations for time sharing queues.
ORSA/TIMS Natl. Mtg., Miami, Fla., Nov. 1976.
- Howard, G T; Bradley, G I; Schneidewind, N F
Analysis of program structure and error detection
properties.
IN ACM Software Engineering Notes, vol. 1, no. 2,
p. 20a-20b, 1976.
- Howard, G T; Green, T F; Schneidewind, N F
Program structures, complexity and error
characteristics.
Polytechnic Inst. New York Symp. Computer Software
Engineering, Apr. 1976.
IN Proc., 1976.
- Jacobs, P A; Lewis, P A
A mixed autoregressive-moving average exponential
sequence and point process (EARMA 1,1).
Advan. Appl. Probability, vol. 9, no. 1, p. 87-104,
(Mar. 1977).
- Lewis, P A W; Liu, L H
Empirical sampling study of a goodness of fit statistic
for density function estimation.
Multivariate Analysis, vol. 4, p. 159-174, (1977).
- Lewis, P A W; Shedler, G S
Simulation of non-homogeneous poisson processes with
log-linear rate function.
Biometrika, vol. 63, no. 3, p. 501-505, (1976).
- Lewis, P A W; Shedler, G S
Statistical analysis of non-stationary series of events
in a data base system.
IBM J. Res. and Development, vol. 20, no. 5, p.
465-482, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Lewis, P A W; Shedler, G S
Analysis and modelling of point processes in computer systems
Bull. Int. Stat. Inst., vol. XLVII, no. 2, p. 193-210, (1977).
- Marshall, K T; Butterworth, R W
A survey of renewal theory with emphasis on approximations, bounds and applications.
SIAM Rev.
- Marshall, K T; Grinold, R C; Oliver, R M
Longitudinal manpower planning models.
Naval Res. Log. Q., vol. 23, no. 2, p. 245-260, (1976).
- Marshall, K T; Grinold, R C
Some optimization models in manpower planning.
IN Natl. ORSA Meeting, Philadelphia, Pa., Mar. 1976.
- Marshall, K T; Grinold, R C; Oliver, R M
Longitudinal manpower planning models.
Naval Res. Log. Q. (1976).
- Marshall, K T; Hayne, W J
Two characteristic markov type manpower flow models.
Naval Res. Log. Q. (1976).
- Marshall, K T; Richards, F R
Analysis of deficits in discrete time resource allocation problems with correlated supplies and demands.
IN Natl. Meeting SIAM, Atlanta, Ga., Oct. 1976.
- Marshall, K T; Richards, F R
Analysis of deficits and surpluses under various budgeting policies with relations to queuing and scheduling problems.
IN OR-seminar series, Bell Laboratories, Holmdel, N. J., Mar. 1976.
- Neil, D E
Laboratory investigation of biorhythms.
Aviation Space and Environ. Med., vol. 47, no. 4, p. 425-430, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Parry, S H
Decision analysis - at air station for Arcata?
Decision Sciences
- Parry, S H
The cost & operational effectiveness analysis process
methodology - the XM1 tank application.
Operations Res. 1976.
- Parry, S H
Mobility and agility - a quantification for future
combat vehicle design.
J. of Defense Review, (1976).
- Parry, S H
Parameterization of terrain in Army combat analysis.
15th Army Operations Res. Symp., Ft. Lee, Va., Oct.
26-29, 1976.
IN Proc., 1976.
- Parry, S H
A quantification of mobility and agility.
15th Army Operations Res. Symp., Ft. Lee, Va., Oct.
26-29, 1976.
IN Proc., 1976.
- Parry, S H
The generation and use of parameterized terrain in land
combat simulation
1977 Winter Simulation Conference, Gaithersburg, Md.,
Dec. 5-7, 1977.
IN Proc.
- Parry, S H; Benkel, M
Scatterable mines: evaluation, deployment and detection
16th Army Oper. Res. Symposium, Fort Lee, Va., Oct.
12-14, 1977.
IN Proc., U. S. Army OTEA, p. 595-609, (1978).
- Parry, S H; Hahn, W D; West, W D
The effect of target vehicle agility on tank gunners
16th Army Oper. Res. Symposium, Fort Lee, Va., Oct.
12-14, 1977.
IN Proc., U. S. Army OTEA, p. 533-542, (1978).
- Parry, S H; Moore, M J; Feesdale, F J
Operation research at the Corps level: an analysis of V
Corps major training area operations
16th Army Oper. Res. Symposium, Fort Lee, Va., Oct.
12-14, 1977.
IN Proc., U. S. Army OTEA, p. 826-837, (1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Poock, G K
Man-machine systems design laboratory.
Naval Res. Rev., vol. 29, no. 2, p. 32-33, (1976).
- Poock, G K
A numerical quantification technique for Kirlian
photographs.
Psychoenergetic Syst., vol. 1, p. 1-2, (1976).
- Read, R R
Asymptotic efficiency of point estimates.
The Foundation, Section IIB 1, 2 - 1a.
- Read, R R
Characterization of the asymptotic covariance matrix of
some altered maximum likelihood estimates.
IN Inst. of Mathematical Statistics America,
Statistics Assoc. Joint Meeting, Stanford,
Calif., June 22-24, 1977. Abstract in
Institute of Mathematical Statistics Bulletin,
vol. 6, no. 4, June 1977, p. 172, (158-24).
- Richards, F R
A stochastic model of a repairable-item inventory system
with attrition and random lead times.
Ops. Res., vol. 24, no. 1, p. 118-130, (1976).
- Richards, F R
A repairable item inventory model with attrition and
random lead times.
Operations Research, (1976).
- Sovereign, M G
A proposed educational program for Command, Control and
Communications.
ARPA Workshop on Decision Information for Tactical
Command and Control Operations Res. Panel, Airlie
House, Va., Sept. 25, 1976.
IN Proc.
- Sovereign, M G
A conceptual model for setting design to cost goals.
36th MOORS, Leesburg, Va., Dec. 18, 1975.
IN Proc., 1976, p. 202-214.
- Taylor, J G
On the relationship between the force ratio and the
instantaneous casualty-exchange ratio for some
Lanchester-type models of warfare.
Naval Res. Log. Q., vol. 23, no. 2, p. 345-352,
(1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Taylor, J G
On the relationship between the force ratio and the instantaneous casualty-exchange ratio for some Lanchester-type models of warfare.
Philadelphia Joint Natl. Meeting, ORSA/TIMS, Philadelphia, Pa., Mar. 31-Apr. 2, 1976.
IN ORSA/TIMS Bull., no. 1, 1976, p. 121.
- Taylor, J G
On the relationship between the force ratio and the instantaneous casualty-exchange ratio for some Lanchester-type models of warfare.
Naval Res. Log. Q., vol. 23, no. 1, p. 345-352, (1976).
- Taylor, J G
Determining the class of payoffs that yield force-level-independent optimal fire-support strategies.
Oper. Res., vol. 25, p. 506-516, (1977).
- Taylor, J G
Predicting battle outcome with Liouville's normal form for Lanchester-type equations of modern warfare.
Opsearch, vol. 14, p. 185-203, (1977).
- Taylor, J G
Recent developments in the Lanchester theory of combat
8th IFORS Int. Conference on Oper. Res., Toronto, Canada, June 20, 1978.
IN Oper. Res., 1978, North-Holland, 1978.
- Taylor, J G
Approximate solution (with error bounds) to a nonlinear nonautonomous second-order differential equation
J. Franklin Inst., vol. 306, no. 2, p. 195-208, (1978).
- Taylor, J G
Differential-game examination of optimal time-sequential fire-support strategies
Nav. Res. Log. Q., vol. 25, no. 2, p. 323-355, (1978).
- Taylor, J G
Error bounds for the Liouville-Green approximation to initial-value problems
Zeitschrift für Angewandte Mathematik und Mechanik, vol. 58, no. 12, p. 529-537, (1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Taylor, J G; Brown, G G
Further canonical methods in the solution of
variable-coefficient Lanchester-type equations of modern
warfare: A new definition of power Lanchester
functions.
Miami Joint Natl. Meeting, ORSA/TIMS, Miami Beach,
Fla., Nov. 3-5, 1975.
IN ORSA/TIMS Bull., no. 2, 1976, p. 206-207.
- Taylor, J G; Brown, G G
Further canonical methods in the solution of
variable-coefficient Lanchester-type equations of modern
warfare: a new definition of power Lanchester
functions.
Miami Joint ORSA/TIMS National Meeting, Miami Beach,
Fla., Nov. 3-5, 1976.
- Taylor, J G; Brown, G G
Canonical methods in the solution of
variable-coefficient Lanchester-type equations of modern
warfare.
Oper. Res., vol. 24, no. 1, p. 44-69, (1976).
- Taylor, J G; Brown, G G
An examination of the effects of the criterion
functional on optimal fire-support policies
Nav. Res. Log. Q., vol. 25, no. 1, p. 183-211,
(1978).
- Taylor, J G; Comstock, C
Force-annihilation conditions for variable-coefficient
Lanchester-type equations of modern warfare.
Naval Res. Log. Q., vol. 24, p. 349-371, (1977).
- Thomas, M U; Barr, D R
Some geometric characteristics of Markov chain
lumpability.
1976 Joint ORSA/TIMS National Meeting, Philadelphia,
Pa., Mar., 1976.
IN ORSA/TIMS Bull. no. 1, p. 787, (1976).
- Thomas, M U; Nisgar, Y
An infiltration game with time dependent payoff.
Naval Res. Log. Q., vol. 23, no. 2, p. 297-302,
(1976).
- Taylor, J G; Brown, G G
Numerical determination of the parity-condition
parameter for Lanchester-type equations of modern
warfare
Computers & Oper. Res., vol. 5, no. 4, p. 227-242,
(1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Gaver, D P; Chu, B B
Availability analysis for some standby systems
Probabilistic Analysis of Nuclear Reactor Safety,
Newport Beach, Calif., May 8-10, 1978.
IN Proc.
- Gaver, D P; Jacobs, P A
Non-homogeneously paced random records and associated
external processes
J. Appl. Probability, vol. 15, no. 3, p. 552 ff.,
(1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES

- Hartman, J K
A survey of some models for determining munitions stockpile requirements for air to ground weapons
Sponsored by the Naval Weapons Center, China Lake, Calif. Naval Postgraduate School, (NPS-55782), 1978.
42 p.
- Arima, J K; Neil, D E
Skill deterioration and its management.
Naval Postgraduate School, (NPS-55787), 1973. 70 p.
- Barr, D R
Statistical aspects of the AN/IPQ-27 PSVT design.
Naval Postgraduate School (NPS-55-77-13) 1977. 27 p.
- Barr, D R
Possible approaches to determining lateral and range effects of bomb stations, based on observed impact points
Sponsored by the Naval Electronics Systems Command.
Naval Postgraduate School, (NPS-557810), 1978. 15 p.
- Barr, D R
Possible approaches to determining lateral and range effects of bomb stations, based on observed impact points.
Naval Postgraduate School, (NPS-557810), 1978. 12 p.
- Barr, D R; Jayachandran, T; Larson, H J
Some statistical procedures for the joint oil analysis program
Sponsored by the Technical Support Center, Naval Air Rework Facility, Pensacola, Fla. Naval Postgraduate School, (NPS-5578008), 1978. 72 p.
- Barr, D R; Jayachandran, T; Larson, H J
Some statistical procedures for the joint oil analysis program.
Naval Postgraduate School, (NPS-5578008), 1978. 71 p.
- Barr, D R; Poock, G K; Richards, R
Experimental designs and analyses for initial ACCAT test bed experimental demonstrations.
Naval Postgraduate School, (NPS-557721), 1977. 77 p.
- Barr, D R; Poock, G K; Richards, F R; Miller, H G
Experimentation, research, and operational concepts for the Naval Postgraduate School remote site module
Naval Ocean Systems Center, San Diego, Calif., 1978.
28 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Brown, G G; Bradley, G; Graves, G
Design and implementation of large scale primal
transshipment algorithms.
Naval Postgraduate School, (NPS-55BzBw76091), UCLA
WMSI Report 260, Note; presented to IX
International Mathematical Programming Symposium,
Budapest, Aug. 1975.
- Brown, G G; Shubert, B
On random binary trees.
Naval Postgraduate School, (NPS-55Bw76061), 1976. 45
p.
- Brown, G G; Taylor, J
The Liouville-Green approximation to the solution of
variable-coefficient Lanchester-type equations of modern
warfare.
Naval Postgraduate School, (NPS-557744), 1977. 21 p.
- Brown, G G; Taylor, J
A short table of Lancaster-Clifford-Schlafi functions.
Naval Postgraduate School, (NPS-557742), 1977. 58 p.
- Brown, G G; Taylor, J
A table of Lancaster-Clifford-Schlafi functions.
Naval Postgraduate School, (NPS-557739), 1977. 72 p.
- Butterworth, R W
Minifast - An interactive model of the Navy's enlisted
personnel system.
Naval Postgraduate School (NPS-55BD76081) 1976. 34
p.
- Esary, J D
(Confidential) Proposed modifications to the probability
of kill model established in the JSORs for the AFAAM and
AFAAM missiles (U)
Naval Weapons Center, China Lake, Calif., (Reg.
39052-53), 1978. 30 p.
- Elster, R S; Read, R R; Withens, W H; Musgrave, G L;
Creighton, J W
Design of operational career ladders.
Naval Postgraduate School, (NPS-55Ea73061), June
1978. 91 p.
- Esary, J D
The effect of modeling depth on reliability prediction
for systems subject to a phased mission profile.
Naval Postgraduate School (NPS55-77-32) 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Esary, J D
The effect of modeling depth on reliability prediction
for systems subject to a phased mission profile.
Naval Postgraduate School, (NPS-557732), 1977. 22 p.
- Forrest, R N
A magnetic anomaly signal model with programs for a
Texas Instruments SR-52 calculator.
Naval Postgraduate School (NPS-55P076021) 1976. 62
p.
- Forrest, R N
A procedure for estimating an object's position based on
two or more bearings with a program for a TI-39
calculator.
Naval Postgraduate School, (NPS-557774), 1977.
- Forrest, R N
A procedure for estimating an object's position based on
two or more bearings with a program for a TI-59
calculator.
Naval Postgraduate School (NPS-55-77-34) 1977. 37 p.
- Forrest, R N
Magnetic anomaly detection models.
Naval Postgraduate School (NPS-55-77-19) 1977. 88 p.
- Forrest, R N
An evaluation of a signal processing technique
Naval Postgraduate School, (NPS-557812PR), 1978. 11
p.
- Forrest, R N
Magnetic anomaly detection models with a program for a
TI-59 calculator
Naval Postgraduate School, (NPS-5578021), 1978. 52
p.
- Forrest, R N
A note on the use of positive and negative information
to update target location estimates
Naval Postgraduate School, (NPS-5578018), 1978. 13
p.
- Gaver, D P; Lehoczky, J ?
Models for work backlogs at computers that time-share
heterogeneous users.
Naval Postgraduate School, (NPS-557733), 1977. 38 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Gaver, D P; Lehoczy, J ?
Non-stationary infinite server models and their
relatives
Sponsored by the Office of Naval Research and
National Science Foundation. Naval Postgraduate
School, (NPS-5578026), 1978. 1-20 p.
- Gaver, D P; Lewis, P A W
First-order autoregressive and gamma sequences
Sponsored by the Office of Naval Research and
National Science Foundation. Naval Postgraduate
School, (NPS-5578016), 1978. 1-33 p.
- Hartman, J K
Preliminary systems specifications for the NTDS computer
facilities scheduling system.
May 20, 1977. 29 p.
- Hartman, J K
A survey of some models for determining munitions
stockpile requirements for air to ground weapons.
Naval Postgraduate School, (NPS-55782), 1978. 42 p.
- Hartman, J K; Howard, G F
NTDS computer facilities scheduling.
Naval Postgraduate School (NPS-55HK55HH76111) 1976.
38 p.
- Hartman, J K; Howard, G F
NTDS computer facilities scheduling.
Naval Postgraduate School, (NPS-55Hh55Hk76111), 1976.
39 p.
- Hartman, J K; Howard, G F
NTDS computer facilities scheduling system--final
report.
Naval Postgraduate School, (NPS-557745), 1977. 154
p.
- Hartman, J K; Howard, G F
NTDS computer facilities scheduling system: final
report
Sponsored by the Fleet Combat Direction Systems
Support Activity, San Diego, Calif. Naval
Postgraduate School, (NPS-557745), 1977. 153 p.
- Howard, G T; Hartman, J K
NTDS Computer facilities scheduling.
Naval Postgraduate School (NPS-55HK55HH76111) 1976.
38 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Howard, G T; Schneidewind, N F; Kirchgaessner, M
Software error detection models, validation tests and
program complexity measures.
Naval Postgraduate School (NPS-52SS76111) 1976. 155
p.
- Jacobs, P A
A cyclic queueing network with dependent exponential
service times.
Naval Postgraduate School, (NPS-557740), 1977. 31 p.
- Lewis, P A W
SASE VI and the statistical analysis of series in events
in computer systems.
Naval Postgraduate School (NPS-55LW76091) 1976.
- Lewis, P A W
SASE VI and the statistical analyses of series in events
in computer systems.
Naval Postgraduate School, (NPS-55LW76091), 1976. 21
p.
- Lewis, P A W; Gaver, D
First order autoregressive Gamma sequences and Point
processes
Sponsored by the Office of the Naval Research and
National Science Foundation. Naval Postgraduate
School, (NPS-5578016), 1978. 33 p.
- Lewis, P A W; Iglehart, J
Regenerative simulation with internal controls
Sponsored by the Office of Naval Research. Naval
Postgraduate School, (NPS-557805), 1978. 29 p.
- Lewis, P A W; Iglehart, D L
Variance reduction for regenerative simulations, I:
Internal control and stratified sampling for queues.
Control Analysis Corp., Palo Alto, Calif., Tech. Rep.
(86-22), 1976. 30 p.
- Lewis, P A W; Jacobs, P A
Discrete time series generated by mixtures I:
Correlational and runs properties.
Naval Postgraduate School (NPS-55-77-1) 1977. 35 p.
- Lewis, P A W; Jacobs, P A
Discrete time series generated by mixtures III:
autoregressive processes (DAR(p))
Sponsored by the Office of Naval Research. Naval
Postgraduate School, (NPS-5578022), 1978. 29 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Lewis, P A W; Lawrance, A J
An exponential autoregressive-moving average process
EARMA(p,q): definition and correlational properties
Sponsored by the Office of Naval Research. Naval
Postgraduate School, (NPS-557801), 1978. 35 p.
- Lewis, P A W; Shedler, G S
Statistical analysis of non-stationary series of events
in a data base system.
Naval Postgraduate School, (NPS-55Lw76092), 1976. 51
p.
- Lewis, P A W; Shedler, G S
Analysis and modelling of point processes in computer
systems.
Naval Postgraduate School, (NPS-557738), 1977. 41 p.
- Lewis, P A W; Shedler, G S
Simulation methods for Poisson processes in
nonstationary systems
Sponsored by the Office of Naval Research. Naval
Postgraduate School, (NPS-5578019), 1978. 25 p.
- Lewis, P A W; Shedler, G S
Simulation of nonhomogeneous Poisson processes by
thinning
Sponsored by the Office of Naval Research. Naval
Postgraduate School, (NPS-5578014), 1978. 23 p.
- Marshall, K T
An analysis of bolter-hole spacing in aircraft carrier
landings
Naval Postgraduate School, (NPS-5578013), 1978. 50
p.
- Marshall, K T
An interactive model to compute the officer manpower
plan for the United States Marine Corps.
Naval Postgraduate School, (NPS-557737), 1977. 42 p.
- Marshall, K T
Forecasting the numbers and types of enlisted personnel
in the United States Marine Corps: An interactive
cohort model.
Naval Postgraduate School (NPS-55-77-24) 1977. 31 p.
- Marshall, K T
Department of Operations Research technical report list
1966-1976.
Naval Postgraduate School, (NPS-557735), 1977. 16 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Marshall, K T
A classroom demonstration of the length-bias paradox in renewal theory: first words on printed lines are longer than average.
Naval Postgraduate School, (NPS-557712), 1977. 11 p.
- Marshall, K T
A classroom demonstration of the length-bias paradox in renewal theory: first words on printed lines are longer than average.
Naval Postgraduate School, (NPS-557712), 1977. 11 p.
- Marshall, K T
Efficient computation and long range optimization applications using a two-characteristic Markov-type manpower flow model.
Naval Postgraduate School, (NPS-557723), 1977. 31 p.
- Marshall, K T
An interactive model to compute the officer manpower plan for the United States Marine Corps.
Naval Postgraduate School, (NPS-557737), 1977. 42 p.
- Marshall, K T; Butterworth, R W
Survey of numerical methods for applications of renewal processes.
Naval Postgraduate School
- Marshall, K T; Richards, F R
Analysis of deficits in discrete time resource allocation problems with correlated supplies and demands.
Naval Postgraduate School (NPS-55MTRH76051) 1976. 18 p.
- Milch, P R
A model for the prediction of advancements in the Navy Enlisted Force.
Naval Postgraduate School (NPS-55MH76061) 1976. 141 p.
- Milch, P R
Estimation of parametric length of service distributions of advances of the Navy Enlisted Force.
Naval Postgraduate School (NPS-55MH76121) 1976. 141 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Milch, P R
The establishment of a new method of estimating the number of advancements in the Navy enlisted force. Sponsored by the Bureau of Naval Personnel and Naval PR&D Center. Naval Postgraduate School, (NPS-557806), 1978. 147 p.
- Milch, P R
The establishment of a new method of estimating the number of advancements in the Navy enlisted force. Naval Postgraduate School, (NPS-55786), 1978. 164 p.
- Pilnick, S E
An example of phased mission reliability analysis for a hypothetical naval weapons system. Naval Postgraduate School, (NPS-557728), 1977. 36 p.
- Pilnick, S E
An example of phased mission reliability analysis for a hypothetical naval weapons system. Naval Postgraduate School, (NPS-557728), 1977. 36 p.
- Poock, G K
Trends in major aircraft accident rates. Naval Postgraduate School (NPS-55PK76061) 1976. 23 p.
- Poock, G K
Factors involved in the variability of monthly major aircraft accident rates. Naval Postgraduate School (NPS-55PK76071) 1976. 11 p.
- Raike, W M; Buckingham, J R; Kelleher, M D
An optimization study of a low thermal potential power system. Naval Postgraduate School (NPS-69KK76091) 1976. 108 p.
- Read, R R
Asymptotic efficiency and some quasi method of moments estimators. Naval Postgraduate School, (NPS-55777), 1977. 69 p.
- Read, R R
Study of the prediction of manpower change behavior using regression methods. Naval Postgraduate School, (NPS-557726), 1977. 62 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Read, R R
Methodology for efficiency and alteration of the
likelihood system.
Naval Postgraduate School (NPS-55-77-9) 1977.
- Richards, F R
A user's guide to the JA 3660 APL workspace
Naval Postgraduate School, (NPS-5578028), 1978. 113
p.
- Richards, F R; Marshall, K T
Analysis of deficits in discrete time resource
allocation problems with correlated supplies and
demands.
Naval Postgraduate School (NPS-55MTRH76051) 1976. 18
p.
- Richards, F R; Woodall, S R
An interactive software package for time series analysis
Naval Postgraduate School, (NPS-5578034), 1978. 171
p.
- Richards, F R; Woodall, S R
User's guide to the time series editor
Naval Postgraduate School, (NPS-5578035), 1978. 32
p.
- Shubert, B O; Brown, G G
On random binary trees.
Naval Postgraduate School (NPS-55BW76061) 1976. 45
p.
- Shudde, R H
HYFIX - Hyperbolic firing with three sonobuoys.
NAVTACSUPPACT Fleet Mission Program Library (Doc.
C10018) 1976.
- Shudde, R H
DIFAR - Bearings only tracking with least squares.
NAVTACSUPPACT Fleet Mission Program Library (Doc.
U10016), 1976.
- Shudde, R H
DACTIVE - Least squares tracking with time, bearing, and
range.
NAVTACSUPPACT Fleet Mission Program Library (Doc.
U10017) 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Shudde, R H
FBM Effectiveness project - results of 2 research quarters.
Naval Postgraduate School letter report
(NC4(55SU)/pc, 3900. Ser: S120) 1976.
- Shudde, R H
Nonsymmetric ballistic range, height, time-of-flight and optimal flight path angle computations with programs for a Hewlett-Packard 65 calculator
Naval Postgraduate School (NPS-55SU76031) 1976. 17 p.
- Shudde, R H
Surface duct propagation loss - HP-97 plot version.
NAVTACSUPPACT Fleet Mission Program Library (Doc. U10015) 1976.
- Shudde, R H
HYLOP - Hyperbolic lines-of-position with two sonobuoys.
NAVTACSUPPACT Fleet Mission Program Library (Doc. C10019) 1976.
- Shudde, R H
Speed and course given range-only data from two sonobuoys of two or more times.
NAVTACSUPPACT Fleet Mission Program Library (Doc. U10021) 1976.
- Shudde, R H
Bearing, speed and course given range and Doppler data from two sonobuoys.
NAVTACSUPPACT Fleet Mission Program Library (Doc. U10020) 1976.
- Shudde, R H
On-station update of oceanographic information with programs for the HP-67 calculator
Naval Postgraduate School, (NPS-557741), 1977.
- Shudde, R H
An Analysis of the Lloyd mirror phenomena under constant velocity gradient conditions with programs for the HP-67/97 calculator
Naval Postgraduate School, (NPS-557736), 1977.
- Shudde, R H
Estimation of a contacts' course, speed and position based on bearings - only information from two moving sensors with a program for an HP-67/97 calculator
Naval Postgraduate School, (NPS-557743), 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Shudde, R H
Tactical analysis on the personal programmable
calculator--six algorithms.
Naval Postgraduate School (NPS-55-77-31) 1977. 89 p.
- Shudde, R H
An analysis of the Lloyd mirror phenomena under constant
velocity gradient conditions with programs for the
HP-67/97 calculator.
Naval Postgraduate School, (NPS-557736), 1977. 120
p.
- Shudde, R H
Estimation of a contact's course, speed and position
based on bearings-only information from two moving
sensors with a program for an HP-67/97 calculator.
Naval Postgraduate School, (NPS-557743), 1977. 16 p.
- Shudde, R H
On-station update of oceanographic information with
programs for the HP-67 calculator.
Naval Postgraduate School, (NPS-557741), 1977. 13 p.
- Shudde, R H
Tactical analysis on the personal programmable
calculator - six algorithms. (rev. ed.)
Naval Postgraduate School, (NPS-557731), 1978.
- Shudde, R H
Tracking and environmental algorithms for the
Hewlett-Packard HP-67 calculator
Naval Postgraduate School, (NPS-55789), 1978.
- Shudde, R H
Tracking and environmental algorithms for the
Hewlett-Packard HP-67 calculator.
Naval Postgraduate School, (NPS-55789), 1979. 59 p.
- Shudde, R H; Barr, D R
An analysis of earthquake frequency data.
Naval Postgraduate School (NPS-55SU76121) 1976. 11
p.
- Taylor, J G
Optimal fire-support strategies.
Naval Postgraduate School (NPS-55TW76021) 1976. 146
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Taylor, J G
Differential-game examination of optimal time-sequential fire-support strategies.
Naval Postgraduate School (NPS-55TW76091) 1976. 53 p.
- Taylor, J G
Error bounds for the Liouville-Green approximation to initial-value problems.
Naval Postgraduate School (NPS55-77-29) 1977.
- Taylor, J G
Fire distribution in Lanchester inertial combat, I: "Square-law" attrition of target types.
Naval Postgraduate School, (NPS-557711), 1977. 50 p.
- Taylor, J G
On Liouville's normal form for Lanchester-type equations of modern warfare with variable coefficients
Sponsored by the Office of Naval Research and Foundation Research Program. Naval Postgraduate School, (NPS-5578024), 1978. 28 p.
- Taylor, J G; Brown, G G
An examination of the effects of the criterion functional on optimal fire-support policies.
Naval Postgraduate School (NPS-55TW55BN76092) 1976. 48 p.
- Taylor, J G; Brown, G G
A short table of Lanchester-Clifford-Schlaflf functions
Sponsored by the U. S. Army Research Office and Office of Naval Research. Naval Postgraduate School, (NPS-557742), 1977. 63 p.
- Taylor, J G; Brown, G G
A table of Lanchester-Clifford-Schlaflf functions
Sponsored by the U. S. Army Research Office and Office of Naval Research. Naval Postgraduate School, (NPS-557739), 1977. 90 p.
- Taylor, J G; Brown, G G
A table of Lanchester-Clifford-Schlaflf functions.
Naval Postgraduate School, (NPS-557739), 1977. 86 p.
- Taylor, J G; Comstock, C
Force-annihilation conditions for variable-coefficient Lanchester-type equations of modern warfare, I: Mathematical theory.
Naval Postgraduate School (NPS-55TW76081) 1976. 35 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Taylor, J G; Brown, G G
Further canonical methods in the selection of
variable-coefficient Lanchester-type equations of modern
warfare.
Naval Postgraduate School, (NPS-557727), 1977.
- Thomas, M U; Parry, S H
An evaluation of the manufacturing operations at the
Rock Island arsenal.
Task Order (76-0069) Battelle Columbus Labs., 1976.
- Thomas, M U; Raike, W M
Note on bounding moments of an unknown probability mass
function.
Amer. Inst. of Ind. Engrs. Transactions, vol. 8, no.
1, p. 153-154, (1976).
- Thomas, M U; Richards, F R
Construction workload planning: A final report.
Naval Postgraduate School (NPS-55RH761201) 1976.
- Thomas, M U; Richards, F R
Construction workload planning: A final report.
Naval Postgraduate School (NPS-55RH761201) 1976.
- Washburn, A R
Gross measures of surface-to-surface Naval firepower.
Naval Surface Weapons Center.
- Washburn, A R
Introduction to Blotto games
Naval Postgraduate School, (NPS-5578023), 1978. 30
p.
- Washburn, A R
Simulation of Kalman filter used for short baseline
underwater tracking
Sponsored by the Naval Torpedo Station, Keyport,
Wash. Naval Postgraduate School, (NPS-5578015),
1978. 11 p.
- Washburn, A R
Results of playing an evasion game
Naval Postgraduate School, (NPS-55783), 1978. 8 p.
- Howard, G T
A target selection model
Naval Postgraduate School, (NPS-557830), 1978. 25 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

Taylor, J G
Fire distribution in Manchester inertial combat, I:
'square-law' attrition of target types.
Naval Postgraduate School, (NPS-557711), 1977. 50 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONFERENCE PRESENTATIONS

Valenta, J
The collective leadership and succession in the USSR.
15th Annual Southern Conf. on Slavic Studies, Univ.
of Virginia, Oct. 21-23, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONTRIBUTIONS TO BOOKS

Valenta, J
Soviet-Cuban intervention in Angola 1975.
Univ. of Denver, Colo., 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
JOURNAL PUBS & CONFERENCE PROCS

- Burke, D P
Hellyer and landymore: armed forces unification and an
Admiral's revolt
Amer. Rev. of Canadian Studies, Fall 1978.
- Daniel, D C
Trends and patterns in major Soviet naval exercises
Naval War College Rev., p. 34-41, (1978).
- Laurance, E J
The changing role of Congress in defense policymaking
J. Conflict Resolution, vol. 20, no. 4, (1976).
- Magnus, R H
Muhammad Zahir Khan, former king of Afghanistan.
The Middle East J., vol. 30, no. 1, p. 77-80, (1976).
- Magnus, R H
Middle East oil and the OPEC Nations.
Current History, vol. 70, no. 112, p. 22-26, 28,
(1976).
- Magnus, R H
The foreign policy of the Arab Republic of Egypt.
J. N. Rosenau and others, eds., World Politics New
York: The Free Press, 1976, p. 222-238.
- Schutz, B M
The colonial heritage of strife: sources of cleavage in
the Zimbabwe liberation movement
Africa Today, vol. 25, no. 1, (1978).
- Valenta, J
Reflections on the Soviet Foreign Policy decision
making.
AAASS Symposium, Washington, D. C., May 9-10, 1975.
IN Proc., 1976.
- Valenta, J
Eurocommunism in Eastern Europe: promise or threat?
Problems of Communism, Mar. - Apr. 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
TECHNICAL REPORTS AND NOTES

Daniel, D C
Defense nationale perceptions of the US-Soviet military
balances.
Naval Postgraduate School (NPS-56DL76111) 1976. 127
p.

Daniel, D C
Perceptions of the superpower military balances:
Considerations and evidence.
Naval Postgraduate School, (NPS-5678001), Feb. 1978.
290 p.

Magnus, R H
Shah, state and society in contemporary Iran.
Report on Iran, The Stanford Res. Inst., 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY
CONFERENCE PRESENTATIONS

- Harrison, D E
Computer simulation of the sputtering of clusters
Wehner Retirement Seminar on Sputtering and Surface
Characterization, Minneapolis, Minn., May 15, 1978.
- Harrison, D E; Garrison, B J; Winograd, N
Computer simulation of sputtering
2nd Int. Workshop: Inelastic Ion-Surface Collisions,
Hamilton, Ontario, Aug. 14-16, 1978.
- Schacher, G E; Fairall, C W; Davidson, K L; Houlihan, T M
Scaling laws for CN₂ in the marine boundary layer
High Energy Laser Program Rev., Washington, D. C.,
July, 1978.
- Schacher, G E; Houlihan, T M; Davidson, K L; Fairall, C W
Shipboard measurements of turbulence scaling in the
marine boundary layer
West Coast, Am. Geophysical Union, San Francisco,
Calif., Dec., 1977.
- Tolles, W M; Junge, D M
Model of non-line-of-sight communication with lasers in
the middle UV
7th Tri-Service Ultraviolet Technology Meeting,
Washington, D. C., Naval Res. Laboratory, Jan. 25,
1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY
CONTRIBUTIONS TO BOOKS

Schwirzke, F A
1978 IEEE international conference on plasma science,
Monterey, Calif., May 15-17, 1978
IN Proc., Inst. of Electrical and Electronics
Engineers, 1978, p. 330.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY
JOURNAL PJBS & CONFERENCE PROCS

- Buskirk, F R; Moore, G L; Dally, E B; Dyer, J N;
Maruyama, X K; Pitthan, R
The widths of the E2 ($\Delta T = 0$ and $\Delta T = 1$) giant
resonances in Ho-165
Zeitschrift fur Naturforschung, vol. 31a, p. 668-669,
(1976).
- Buskirk, F R; Pitthan, R
Isospin of the fine structure between 8 and 12 MeV in
Pb-208 and its implication for the multipole assignment
of the 8.9 MeV resonance
Physical Rev., vol. C16, p. 983, (1977).
- Buskirk, F R; Pitthan, R; Dally, E B; Shannon, J J;
Smith, W H
Giant resonances and bound collective states observed in
the scattering of 92.5 MeV electrons from the
closed-neutron-shell nucleus Y-89 between excitation
energies from 2.0 to 55 MeV
Physical Rev., vol. C16, p. 70, (1977).
- Crittenden, E C; Cooper, A W; Milne, E A; Rodeback, G W;
Kalmbach, S H; Armstead, R L
Long path, shipboard, and slant path extinction
measurements
Meeting of Propagation Subpanel of the High Energy
Laser Rev. Group, Washington, D. C., July 18-20,
1978.
IN Proc., Lincoln Laboratory, 1978.
- Coppens, A B
Theoretical study of the propagation of sound into a
fast bottom from an overlying wedge
95th Meeting of the Acoust. Soc. Am., Providence, R.
I., May 16-19, 1973. J. Acoust. Soc. Am., vol. 63,
suppl. 1, S11, Am. Inst. of Physics, p. 90, (1978).
- Coppens, A B
Theoretical study of the propagation of sound into a
fast bottom from an overlying fluid wedge
Workshop on Seismic Propagation in Shallow Water,
NRL, Washington, D. C., July 6-7, 1978.
IN Proc., Office of Naval Res., 1978.
- Crittenden, E C; Cooper, A W; Milne, E A; Rodeback, G W;
Kalmbach, S H; Armstead, R L
Effects of turbulence on imaging through the atmosphere
Optical Properties of the Atmosphere, Washington, D.
C., Mar. 30-31, 1978.
IN Optical Properties of the Atmosphere, vol. 142,
Proc., Soc. of Photo-Optical Instrumentation
Engineers, 1978, p. 130-134.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Crittenden, E C; Cooper, A W; Milne, E A; Rodeback, G W;
Kalmbach, S H; Armstead, R L
Image resolution through atmospheric turbulence
Conference on Range Instrumentation, Soc. of
Photo-Optical Instrumentation Engineers, Fort Walton
Beach, Fla., Mar. 13-14, 1978.
IN Photo and Electro-Optics in Range
Instrumentation, vol. 134, Proc. SPIE, 1978, p.
34-37.
- Crittenden, E C; Cooper, A W; Milne, E A; Rodeback, G W;
Kalmbach, S H; Armstead, R L
Spot broadening and wander in turbulence
Meeting of Propagation Subpanel of the High Energy
Laser Rev. Group, Washington, D. C., July 13-20,
1978.
IN Proc., Lincoln Laboratory, 1978.
- Crittenden, E C; Davidson, K L
Laser transmissions in the marine environment.
Naval Res. Rev., vol. 29, no. 2, p. 6-10, (1976).
- Harrison, D E; Delaplain, C B
Computer simulation of the sputtering of clusters
J. of Appl. Phys., (1976).
- Harrison, D E; Garrison, B J; Winograd, N
Computer simulation of sputtering
Am. Soc. for Mass Spectrometry, St. Louis, Mo., May
28-June 2, 1978.
IN Proc.
- Harrison, D E; Kelly, P J; Garrison, B J; Winograd, N
Low energy ion impact on single crystal surfaces
Surface Sci., vol. 76, p. 311-322, (1978).
- Kelly, R L; Harrison, D E
Ionization potential of FeXVII in the neon isoelectronic
sequence, revised value
Atomic Data and Nuclear Data Tables, vol. 19, p.
301-303, (1977).
- Medwin, H
In situ acoustic measurements of microbubbles at sea
J. of Geophys. Res., vol. 82, no. 6, (1977).
- Medwin, H
Counting bubbles acoustically, a review
Ultrasonics, vol. 15, no. 1, p. 7-13, (1977).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Medwin, H
Acoustical determinations of bubble size spectra
J. Acoust. Soc. Am., vol. 62, no. 4, p. 1041-1044,
(1977).
- Pitthan, R; Buskirk, F R
On the monopole breathing mode in nuclei
Spring Meeting, American Physical Society,
Washington, D. C., Apr., 1978. Bull. Am. Phys. Soc.,
vol. 23, p. 506, (1978).
- Pitthan, R; Hass, H; Meyer, D H; Dyer, J N; Buskirk, F R
El formfactor and the existence of a breathing mode at
80 A-1/3 MeV in heavy nuclei
Phys. Rev. Letters, vol. 41, no. 19, p. 1276, (1978).
- Sanders, J V; Coppens, A B; Netzorg, G B
Experimental study of the propagation of sound into a
fast bottom from an overlying fluid wedge
95th Meeting of the Acoust. Soc. Am., Providence, R.
I., May 16-19, 1978.
IN J. Acoust. Soc. Am., vol. 63, suppl. no. 1,
(1978), Am. Inst. Phys., 1978, p. S11.
- Sanders, J V
The experiment: transmission of acoustic waves into a
fast fluid bottom from a converging fluid wedge
Workshop on Seismic Propagation in Shallow Water,
NRL, Wash., July 6-7, 1978.
IN Proc., Office of Naval Res., 1978.
- Sanders, J V; Rajninec, J
The battle of Tri Duby - Part 2
Air Classics, (1977).
- Schacher, G E; Fairall, C W; Davidson, K L; Houlihan, T M
Turbulence and drag coefficient over the ocean
Oceans '78, Washington, D. C., Sept., 1978.
IN Oceans '78: The Ocean Challenge, IEEE, 1978,
p. 6.
- Schacher, G E; Davidson, K L; Houlihan, T M; Fairall, C W
Variation of turbulence parameters in marine fog
5th Symposium on Turbulence, Rolla, Mo., Oct., 1977.
IN 5th Symposium on Turbulence, Rolla, Mo., Univ.
of Missouri, 1978, p. 5.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Schacher, G E; Fairall, J W
Use of resistance wires for atmospheric turbulence
measurements in the marine environment
Rev. Sci. Instr., vol. 47, p. 703-707, (1976).
- Schacher, G E; Fairall, J W
Frequency response of hot wires used for atmospheric
turbulence measurements in the marine environment
Rev. Sci. Instr., vol. 48, p. 12-17, (1977).
- Schacher, G E; Fairall, J W
Producing small scale temperature fluctuations in an
airstream
Rev. Sci. Instruments, vol. 49, no. 10, p. 3, (1978).
- Schacher, G E; Fairall, J W; Houlihan, T M; Davidson, K L
An examination of scaling laws for C_t squared in the
layer adjacent to ocean waves
Technical Digest, Optical Propagation Through
Turbulence, Rain and Fog, vol. TUC 3, no. 1-3,
(1977).
- Schacher, G E; Fairall, J W
Observational results on marine fog related variations
of small scale turbulence parameters (C_t squared and
epsilon)
Technical Digest, Optical Propagation Through
Turbulence, Rain and Fog, vol. TVA 4, no. 1-4,
(1977).
- Schacher, G E; Fairall, J W; Houlihan, T M; Davidson, K L
Observations of the marine inversion with a shipboard
acoustic sounder
Technical Digest, Optical Propagation Through
Turbulence, Rain and Fog, vol. TUB 4, no. 1-3,
(1977).
- Schwirzke, F R; Colper, A W M
Spontaneous magnetic field generation in shock waves
19th Annual Meeting of the Division of Plasma
Physics, Am. Phys. Soc., Atlanta, Ga., Nov. 7-11,
1978.
IN Bull. Am. Phys. Soc., vol. 22, no. 10, Am.
Inst. Phys., 1977.
- Schwirzke, F R; Cooper, A W
Spontaneous magnetic field generation in shock waves
19th Annual Meeting of the Division of Plasma Physics
of the American Physical Society, Atlanta, Ga., Nov.
7-11, 1977.
IN Bull. Am. Phys. Soc., vol. 22, p. 1160, (1977).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Schwirzke, F R; Oren, L; Talmadge, S; Taylor, R J
Diagnostics of impurities on Tokamak surface by
laser-induced desorption
2nd Tropical Conference on High Temperature Plasma
Diagnostics, Santa Fe, N. M., Mar. 1-3, 1978.
IN Bull. Am. Phys. Soc., vol. 23, p. 697, (1978).
- Schwirzke, F R; Oren, L; Talmadge, S; Taylor, R J
Laser-induced desorption of impurities from the macrotor
Tokamak walls
Phys. Rev. Letters, vol. 40, no. 18, p. 1131-1184,
(1978).
- Schwirzke, F R; Taylor, R J
Observation of radiative continua from high-Z impurities
in a Tokamak plasma
20th Annual Meeting Division of Plasma Physics,
American Physical Society, Colorado Springs, Colo.,
Oct. 30-Nov. 3, 1978.
IN Bull. Am. Phys. Soc., vol. 23, p. 802, (1978).
- Tolles, W M; Nibler, J W; McDonald, J R; Harvey, A B
A review of the theory and application of coherent
anti-stokes Raman spectroscopy (CARS)
Appl. Spectrosc., vol. 31, p. 253-271, (1977).
- Tolles, W M; Turner, R D
A comparative analysis of the analytical capabilities of
coherent anti Raman spectroscopy (CARS) relative to
Raman scattering and absorption spectroscopy
Appl. Spectrosc., vol. 31, p. 96-103, (1977).
- Tolles, W M; Easley, G L; Levenson, M D
Heterodyne detection of coherent signals
Soc. Photo-Optical Instrumentation Engineers.
IN Proc., vol. 113, p. 73-79, (1977).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY
TECHNICAL REPORTS AND NOTES

- Coppens, A B
Comparisons of isograllient-and isospeed-layer models for ray tracing.
Naval Postgraduate School (NPS-61-78-004), Apr. 1978. 46 p.
- Coppens, A B
Comparisons of isograllient- and isospeed-layer models for ray tracing
Sponsored by the Naval Torpedo Station, Keyport, Wash. Naval Postgraduate School, (NPS-6178004), 1978. 46 p.
- Coppens, A B; Sanders, J V
An introduction to the sonar equations with applications.
Naval Postgraduate School (NPS-61SD76071) 1976. 120 p.
- Fairall, C W; Markson, R; Sedlacek, J
Altitude dependence of CT2 over the ocean.
Naval Postgraduate School (NPS-61PR77101) 1977. 50 p.
- Fairall, C W; Schacher, S E
San Joaquin Valley fog: Attempts at electrical dissipation.
Naval Postgraduate School (NPS-61SQFI76031) 1976. 32 p.
- Harrison, D E; Tuman, H M
Feasibility study of technical translation by a technologist/translator (T/T) team.
Naval Postgraduate School (NPS-61HX76101) 1976. 16 p.
- Novarini, J C; Bruno, D
Comparative analysis of numerically modeled sea surfaces with different power spectra.
Dept. of Oceanog. Hydrog. Office, Argentine Navy.
Ref. DOP-IT-10, 1976, 35 p.
- Reese, W; Cunningham, W P
Predicting Soviet Naval exercises
Sponsored by the Naval Intelligence Command, Naval Field Operational Intelligence Office.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY

TECHNICAL REPORTS AND NOTES (cont'd)

- Reinhardt, R A
Reactive metals in internal explosives: the combustion
of magnesium in air
Sponsored by the Naval Weapons Center, China Lake,
Calif., (NWC-TM-3429), 1978. 14 p.
- Reinhardt, R A; Graham, K J
The design and construction of a stopped-flow apparatus.
Naval Postgraduate School (NPS-61RI76092) 1976. 44
p.
- Reinhardt, R A; Graham, K J
Equilibrium and kinetics of some simple complexes of
palladium(II).
Naval Postgraduate School (NPS-61RI76071) 1976. 50
p.
- Sanders, J V; Coppens, A B
An introduction to the sonar equations with
applications.
Naval Postgraduate School (NPS-61SD76071) 1976. 120
p.
- Schacher, G E; Davidson, K L; Houlihan, T M; Fairall, C M
Observed height and stability dependence of turbulent
kinetic energy dissipation in the atmospheric surface
layer
Sponsored by the Naval Sea Systems Command. Naval
Postgraduate School, (NPS-6377002), 1977. 35 p.
- Schacher, G E; Fairall, C W
San Joaquin Valley fog: Attempts at electrical
dissipation.
Naval Postgraduate School (NPS-61SQFI76031) 1976. 32
p.
- Schacher, G E; Fairall, C W; Davidson, K L; Houlihan, T M
Experimental investigation of the marine boundary layer
in support of air pollution studies in the Los Angeles
air basin.
Naval Postgraduate School (NPS-61-78-002), Feb. 1978.
257 p.
- Schacher, G E; Fairall, C W; Davidson, K L; Houlihan, T M
Atmospheric turbulence measurements in marine fog during
CEWCOM-76
Sponsored by the Naval Air Systems Command. Naval
Postgraduate School, (NPS-6177004), 1977. 51 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY

TECHNICAL REPORTS AND NOTES (cont'd)

- Schacher, G E; Fairall, J W; Davidson, K L; Houlihan, T M
USNS Hayes marine boundary layer research cruise:
preliminary evaluation of NPS data
Sponsored by the Naval Air Systems Command. Naval
Postgraduate School, (NPS-61FrDsHmsq77111), 1977. 32
p.
- Schacher, G E; Fairall, J W; Davidson, K L; Houlihan, T M
Experimental investigations of the marine boundary layer
in support of air pollution studies in the Los Angeles
air basin
Sponsored by the California Air Resources Board.
Naval Postgraduate School, (NPS-6178002), 1978. 250
p.
- Schacher, G E; Fairall, J W; Davidson, K L; Houlihan, T M
Atmospheric marine boundary layer measurements in the
vicinity of San Nicolas Island during CEWCOM-78
Sponsored by the Naval Air Systems Command. Naval
Postgraduate School, (NPS-6178007), 1978. 59 p.
- Schacher, G E; Fairall, J W; Houlihan, T M; Davidson, K L
Evaporation duct height measurements in the mid-Atlantic
Sponsored by the Office of the Oceanographer of the
Navy. Naval Postgraduate School, (NPS-6178005),
1978. 136 p.
- Schacher, G E; Houlihan, T M; Davidson, K L; Fairall, C W
Observational results on the temperature structure
function parameter, CR2, adjacent to ocean waves
Sponsored by the Naval Sea Systems Command. Naval
Postgraduate School, (NPS-6377001), 1977. 35 p.
- Schacher, G E; Houlihan, T M; Davidson, K L; Fairall, C W
Experimental aspects of a shipboard system used in
investigations of overwater turbulence and profile
relationships
Sponsored by the Naval Sea Systems Command. Naval
Postgraduate School, (NPS-6178001), 1978. 66 p.
- Schwirzke, F R
The use of electrostatic probes in strong magnetic
fields
IEEE Mini-Course on Modern Plasma Diagnostics,
Monterey, Calif., May 17-19, 1978. 26 p.
- Schwirzke, F R; Oren, L; Taylor, R J
Measurements of wall impurity concentrations during
Tokamak discharges
Sponsored by the NPS Foundation Research and U. S.
Department of Energy. Naval Postgraduate School,
(NPS-6179002), 1978. 19 p.
- Tolles, W M
A summary of the Foundation Development Program. Report
for the period July 1, 1976 to Sept. 30, 1977.
Naval Postgraduate School, (NPS-01278002PR), Mar.
1978. 238 p.
- Tolles, W M
A summary of the Foundation Development Program. Report
for the period 1 Jul 76 to 30 Sep 77.
Naval Postgraduate School (NPS-012-78-002PR), March
1978, 238p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS AND CHEMISTRY

TECHNICAL REPORTS AND NOTES (cont'd)

Wilson, O B

Annual summary report range studies program report for
the period July 1975 - June 1976.
Naval Postgraduate School (NPS-71WL76081) 1976. 13
p.

Wilson, O B

Annual summary report range studies program.
Naval Postgraduate School (NPS-71-78-002PR) Dec.
1977. 33 p.

Wilson, O B

Annual summary report: range studies program FY1978
Sponsored by the Naval Undersea Warfare Eng. Station,
Keyport, Wash. Naval Postgraduate School,
(NPS-6179001PR), 1978. 28 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
CONFERENCE PRESENTATIONS

- Baycura, O M
Nonlinear transforms.
Presented at the Conference on Applied Mathematics,
Naval Postgraduate School, Feb. 23-25, 1978.
- Baycura, O M
A nonlinear transform
Symposium on The Information Linkage Between Applied
Mathematics and Industry, Navy Postgraduate School,
Monterey, Calif., Feb. 23-25, 1978.
- Hoisington, D B; Roder, P
The electronic warfare curriculum at the Naval
Postgraduate School.
5th Ann. Prowler EW Symp., NAS, Whidbey I.,
Washington, July 1976.
- Hoisington, D B; Thomas, C J
The Navy's educational programs in electronic warfare.
Presented at the Tri-Service Electronic Warfare
Conference at the NPS, May 3-5, 1977.
- Myers, G A
Integrated circuit frequency demodulators.
SIEEM, Monterey, Mexico, Sept. 19-23, 1977.
- Myers, G A
Internal modulation (IM) of sinusoidal carrier waves.
SIEEM, Monterey, Mexico, Sept. 19-23, 1977.
- Panholzer, R
Pocket calculator update.
Wescon Prof. Program, Los Angeles, Calif., Tech.
Session No. 7, 1976.
- Panholzer, R
Advanced pocket calculators.
IEEE Intern. Conv., Electro 76, Boston, Mass., Tech.
Session No. 32, 1976.
- Panholzer, R
High performance building blocks for microprogrammed
systems.
Wescon Prof. Program, Los Angeles, Calif., Tech.
Session No. 26, 1976.
- Parker, S R
Midwest symposium on circuits and systems.
Session Chairman Lubbock, Tex., Aug. 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
CONFERENCE PRESENTATIONS (cont'd)

- Parker, S R
The phenomenon of limit cycles in digital filters
IEEE Circuits & Systems Soc., Santa Clara Section,
Lockheed Corporation, Dec. 1977.
- Parker, S R
Noise in digital filters.
Seminar at the University of California, Los Angeles,
Aug. 1977.
- Powers, J P
IE/EO technology base I
Electronic Warfare, Naval Postgraduate School,
Monterey, Calif., Dec. 4-9, 1978.
- Strum, R D
The teaching of electronic engineering in degree courses
Conference at the University of Hull, England, 1976.
- Tao, T F
Present status and future development of large scale
memory and storage devices.
Presented to a National Science Foundation Committee
Meeting on Mass Storage Development, Palo Alto,
Calif., Apr. 6, 1977.
- Tao, T F
Progress of bipolar injection logic and short channel
DMOS and VMOS logic.
Presented at the Institute of Defense Analysis
Symposium on the Utilization of Large Scale
Integrated Circuits in Military Systems, Arlington,
Va., Aug. 9-11, 1977.
- Tao, T F
Present status and future development of large scale
memory and storage devices.
Presented at the 1977 Symposium on Automated
Production, Storage, Retrieval and Display of
Digitized Engineering Data, Naval Postgraduate
School, Jan. 13-14, 1977.
- Tao, T F
Nonrecursive MMSE spatial filter to suppress correlated
spatial noise.
Presented at the 11th Asilomar Conference on
Circuits, Systems and Computers, Asilomar, Calif.
IN Proc., 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
CONFERENCE PRESENTATIONS (cont'd)

- Tao, T F; Baryehoshua, D; Martinez, R
Applications of microprocessors to control problems.
Presented at the 1977 Joint Automatic Control
Conference, San Francisco, Calif., June 22-24, 1977.
- Tao, T F; Gerard, H
CCD and SAW signal processing
Asilomar Conf. on Circuits, Systems and Computers,
Asilomar, Calif.
- Tao, T F; Holmes, S; Campbell, J; Pollack, M; Sklavanos, G
Comparative sensitivity studies of sampled analog SAW,
CTD and digital processors.
Presented at NATO AGARD Symposium on Impact of Charge
Coupled Devices and Surface Acoustical Wave Devices
in Signal Processing and Imagery in Advanced Systems,
Ottawa, Canada, Oct. 11-15, 1977.
- Tao, T F; Holmes, S; Plenning, K
Present status of real time signal processor
development.
Military Defense Electronics Expo Conf., Weisbodem,
W. Ger., Oct 6-8, 1976.
- Tao, T F; Ku, W
Theory and applications of recursive CTD sampled analog
filters.
Presented at NATO AGARD Symposium on Impact of Charge
Coupled Devices and Surface Acoustical Wave Devices
in Signal Processing and Imagery in Advanced Systems,
Ottawa, Canada, Oct. 11-15, 1977.
- Thaler, G J; Drurey, H L
Nonlinearities in a submarine depth and pitch control.
Milwaukee Symp. on Autom. Control, 1976.
- Thaler, G J; Van Tansel, P
Singular surfaces in a parameter space with applications
to feedback control systems.
Conf. on Inform. Sciences and Systems at Johns
Hopkins Univ., 1976.
- Thaler, G J; Vhrim, J J
Design of a nonlinear speed control system.
Milwaukee Symp. on Autom. Control, 1976.
- Titus, H A
Non-command guidances scoring
Crossbow Conf., Ft. Worth, Tex., Sept., 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
CONFERENCE PRESENTATIONS (cont'd)

- Titus, H A; Beaudet, C; Watts, K
EA-6B mission planning program.
24th Annual Joint Electronic Warfare Conference,
Naval Postgraduate School, May 1977.
- Titus, H A; Shachar, M
The image processing algorithms for IR target tracking.
Asilomar Conference on Circuits and Systems, 1976.
- Titus, H A; Shumaker, R
An analysis of optimum methods of decontrolling a
missile.
24th Annual Joint Electronic Warfare Conference,
Naval Postgraduate School, May 1977.
- Wozencraft, J M
Dynamic network routing
Data Networks, Massachusetts Inst. of Technol.,
Cambridge, Mass., Dec. 14, 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
CONTRIBUTIONS TO BOOKS

Powers, J P
Computer simulation of linear acoustic diffraction.
Acoustical Holography, vol. 7.
IN Ed. by L. W. Kessler, New York, Plenum Press,
1977, p. 193-205.

Titus, H A
10th Asilomar Conference Proceedings.
Western Periodicals, Nov., 1976.

90

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS

- Burton, R W
On measuring elliptically polarized surface currents.
IN Proc. Natl. Conf. on Electromagnetic
Scattering, 1976, p. 132-135.
- Burton, R W; Beyatte, W 3
Charge and current distributions on cross-monopole
transmitting antenna.
1977 International Scientific Radio Union (URSI),
Stanford, Calif, June 1977.
IN Proc.
- Burton, R W; Beyatte, W 3
Charge and current distributions on cross-monopole
transmitting antenna.
1977 International Scientific Radio Union (URSI),
Stanford, Calif., June 1977.
IN Proc.
- Burton, R W; King, R W P
Surface currents and charges on an electrically thick
conducting tube in an E-polarized, normal-by-incident,
plane-wave field, 2, measurements.
Radio Sci., vol. 11, nos. 8, 9, p. 701-711, (1976).
- Burton, R W; King, R W P
Measured currents and charges on thin crossed antennas
in a plane-wave field.
IEEE Trans. on Antennas and Propagation, AP-23, no.
5, p. 657-664, (1976).
- Burton, R W; King, R W P
Surface currents and charges on an electrically thick
conducting tube in an E-polarized, normal-by-incident,
plane-wave field, 1, theory.
Radio Sci., vol. 11, nos. 8, 9, p. 687-699, (1976).
- Burton, R W; King, R W P; Shen, L E
Electric and magnetic fields induced on the surfaces of
electrically thin and thick cylinders and crossed
cylinders by an incident plane wave.
IN Proc. Natl. Conf. on Electromagnetic
Scattering, 1976, p. 45-48.
- Burton, R W; Selim, J D
Infrared detection of surface charge and current
distributions.
1977 International Microwave Symposium, San Diego,
Calif., June 1977.
IN Proc.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Burton, R W; Selim, J D
Infrared detection of surface charge and current distributions.
IN Proc. 1977 International Microwave Symposium, June 1977, San Diego, Calif.
- Chan, S G
On modified transmittal butterworth-chelyhen filter.
Presented at the 20th Midwest Symposium on Circuits and Systems, Lubbock, Tex., Aug. 15-17, 1977.
IN Proc., p. 115-118.
- Hoisington, D B; Alexander, S J
A theoretical and experimental investigation of phase - from distortion jamming (Y).
21st Annual Joint Electronic Warfare Conference at the U. S. Air Force Academy, (ASD-TR-76-23).
IN Proc.
- Hoisington, D B; Alexander, S J
A theoretical and experimental investigation of phase-front distortion jamming.
Tri-Service Electronic Warfare Conf., Air Force Academy, Colorado Springs, Colo., May 1976.
IN Proc., 1976.
- Hoisington, D B; Carroll, C E
Improved sweep waveform generator for bistatic radar.
12th Ann. Joint Electronic Warfare Conf., Aberdeen Proving Ground, Md.
IN Proc., 1976.
- Hoisington, D B; Carroll, C E
Improved sweep waveform generator for bistatic radar
Intelligence and Radar ECM/ECCM (U), vol. 1, (1976).
- Hoisington, D B; Knorr, J B
The Soviet click jammers and the threat to the U. S. Navy radars (U)
23rd Annual Joint Electronic Warfare Conf., Aberdeen, Md., U. S. Army Proving Grounds.
IN Proc., U. S. Army, 1978, p. 24.
- Hoisington, D B; Pitus, I A
Electronic warfare in missile design.
IN Colloq. on the Design, Development, and Evaluation of Navy Tactical Missile Systems, Naval Postgraduate School, Apr. 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Kirk, D E; Hewett, M D
Trajectory optimization using a second-order epsilon method.
AIAA J. Aircraft, vol. 13, no. 3, p. 174-179, (1976).
- Kirk, D E; La Rock, R E; Park, C Y
Computer-aided design of observer-controllers.
Computers and Elect. Eng., vol. 3, p. 53-64, (1976).
- Myers, G A
New IC's for telecommunications systems: an overview
WESCON '78, Los Angeles, Calif., Sept. 1978.
IN Proc., Electronic Conventions, 1978. p. 34.
- Ohlson, J E
Shipboard RFI considerations.
1976 Natl. Telecommunications Conf., Dallas, Tex.,
43.6-1
- Ohlson, J E
A correlation polarimeter for noise-like signals.
IEEE Trans. Aerospace and Electronic Systems, AES-12,
no. 2, p. 245-254, (1976).
- Ohlson, J E
A correlation polarimeter for noise-like signals.
IEEE. Trans. Aerospace and Electronic Systems, AES-12
no. 2, p. 246-254, (1976).
- Ohlson, J E
Shipboard RFI considerations.
1976 Natl. Telecommunications Conf., Dallas, Tex.,
43.6-1 to 43.6-3 (1976).
- Ohlson, J E
Shipboard satellite communication systems.
IN Naval Research Reviews, vol. 29, no. 2, p. 31,
1976.
- Ohlson, J E
Statistics of the first-order phase-locked loop with
fluctuating signal amplitude
IEEE Trans. on Commun., vol. COM-26, no. 10, p.
1472-1474, (1978).
- Parker, S R
Synthesis of N-dimensional recursive digital filters by
Taylor series expansion.
IEEE Trans. of Circuits and Systems, vol. CAS 24, no.
1, p. 28-34, (1977).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Parker, S R
Modeling for fault tolerance
IN Proc., Industry/Joint Services Automatic Test
Conf., Nat'l Security Industrial Assn., 1978,
p. 82-83.
- Parker, S R; Girard, P E
Correlated noise due to roundoff in fixed point digital
filters.
IEEE. Trans. Circuits and Systems, CAS-23 no. 4, p.
204-211, (1976).
- Parker, S R; Ko, S J
A two dimensional adaptive recursive digital filter in
image processing
IEEE Int. Symposium on Circuits and Systems.
IN Proc., (IEEE #78CH138-ICAS), 1978, p. 308-312.
- Parker, S R; Souchon, L
A design technique to an N-dimensional recursive filter.
IEEE. Intern. Symp. on Circuits and Systems, Munich,
Apr 1976.
IN Proc. 1976, p. 367-368.
- Powers, J P
Computer simulation of linear acoustic diffraction.
IN Presented at the 7th International Symposium
on Acoustical Imaging and Holography, Chicago,
Ill., Aug. 30-Sept. 1, 1976.
- Powers, J P
An FM-CW laser radar incorporating an acousto-optic
modulation.
IEEE. Ultrasonics Symp., Annapolis, Md. Oct. 1976.
IEEE. Trans. on Sonics and Ultrasonics, 1975.
- Powers, J P; DeBlois, J J Y; O'Bryon, R T;
A computer aided ultrasonic imaging system
8th Int. Symposium on Acoust. Imaging, Key Biscayne,
Fla., May 29-June 2, 1978.
IN Acoust. Holography, vol. 8. (Plenum).
- Powers, J P; Fraufelder, M; Chance, T
A Co2 laser FM-CW ranging and velocity measurement
system incorporating an acoustooptic modulator.
IEEE Ultrasonics Symposium, Annapolis, Md., Sept.
29-Oct. 1, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PJBS & CONFERENCE PROCS (cont'd)

Powers, J P; O'Bryon, R F; Patton, J W
An ultrasonic imaging system incorporating
computer-aided coherent processing
94th Meeting of the Acoust. Soc. Am., Miami Beach,
Fla., Dec. 12-16, 1977.
IN J. Acoust. Soc. Am., vol. 62, suppl. no. 1, p.
522, (1977).

Rahe, G A; Robbins, C B
Spotlight
J. Acoust. Soc. Am., vol. 61, (1977).

Tao, T F
Charge transport devices.
Naval Res. Rev., vol. 29, no. 2, p. 19-23, (1976).

Tao, T F
Charge transport devices.
Naval Res. Rev., vol. 29, no. 2, p. 19-23, (1976).

Tao, T F
Present status and future development of large scale
memory and storage devices.
IN 1977 Symp. on Automated Production, Storage,
Retrieval and Display of Digitized Engineering
Data.

Tao, T F
Present status and future developments of large scale
memory and storage devices.
1977 Symposium on Automated Production, Storage,
Retrieval and Display of Digitized Engineering Data.
IN Proc., p. 122-134, (1977).

Tao, T F
Present status and future developments of large scale
memory and storage devices.
1977 Symposium on Automated Production, Storage,
Retrieval and Display of Digitized Engineering Data.
IN Proc., 122-134, (1977).

Tao, T F
Real time signal processing
22nd of the Soc. of Photo-optical Instrumentation
Eng., San Diego, Calif., Aug. 28-31, 1978.
IN Proc., vol. 154, 1978, p. 1-8.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Tao, T F; BaiYehoshua, O; Martinez, R
Applications of microprocessors to control problems.
1977 Joint Automatic Control Conference.
IN Proc., p. 8-16, (1977).
- Tao, T F; Baryehoshua, D; Evenor, B; Adkins, J
Statistical nonrecursive spatial filter for processing
of infrared mosaic sensor images
22nd of the Soc. of Photo-Optical Instrumentation
Eng., Aug. 28-31, 1978.
IN Proc., vol. 156, 1978, p. 10-19.
- Tao, T F; Baryehoshua, D; Martinez, R
Present status and future development of large scale
memory and storage devices.
1977 Symposium on Automated production, Storage,
Retrieval and Display of Digitized Engineering Data,
p. 122-134
- Tao, T F; Baryehoshua, D; Martinex, R
Applications of microprocessors to control problems.
1977 Joint Automatic Control Conference.
IN Proc. p. 8-16.
- Tao, T F; Baryehoshua, O; Martinez, R
Applications of microprocessors to control problems.
1977 Joint Automatic Control Conference.
IN Proc., p. 8-16, (1977).
- Tao, T F; Campbell, G; Pollack, M
Sensitivity study of the chirp z transform and the prime
transform as sampled analog discrete fourier transform
algorithms.
10th Asilomar Conf. on Circuits, Systems and
Computers, Nov. 1976, Asilomar, Calif.
IN Proc. 1976, p. 372-380.
- Tao, T F; Campbell, G; Pollack, M
Sensitivity study of the chirp z transform and the prime
transform as sampled analog discrete fourier transform
algorithms.
10th Asilomar Conf. on Circuits, Systems and
Computers, Nov. 1976, Asilomar, Calif.
IN Proc., 1976, p. 372-380.
- Tao, T F; Holmes, S with others
Sensitivity study of sampled analog signal processing.
19th IEEE. Midwest Symp. on Circuits and Systems,
Milwaukee, Wis. Aug. 1976.
IN Proc., 1976, p. 430-439.

UNCLASSIFIED

NAVAL POSTGRADUATE SCHOOL MONTEREY CA
RECENT NAVAL POSTGRADUATE SCHOOL PUBLICATIONS, (U)
JUL 79 W M TOLLES, J R BORSTIN
NPS-012-79-004PR

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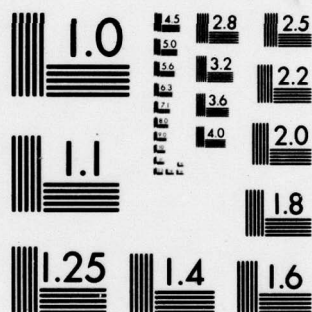
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NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Tao, T F; Holmes, S with others
Sensitivity study of sampled analog signal processing.
19th IEEE. Midwest Symp. on Circuits and Systems,
Milwaukee, Wis., Aug. 1976.
IN Proc., 1976, p. 430-439.
- Tao, T F; Holmes, S with others
Theory and applications of sampled analog recursive CTD
comb filters.
Conf. on Charge Coupled Device Technol. and
Applications, Dec 1976, Washington, D. C.
IN Proc. 1976, p. 1-10.
- Tao, T F; Holmes, S with others
Theory and applications of sampled analog recursive CTD
comb filters.
Conf. on Charge Coupled Device Technol. and
Applications, Dec 1976, Washington, D. C.
IN Proc. 1976, p. 1-10.
- Tao, T F; Saetre, L with others
Recursive CTD comb filter and its applications to MTI
radar signal processing.
1976 Govt. Microcircuit Applications Conf., Nov.
1976, Orlando, Fla.
IN Proc., 1976, p. 246-249.
- Tao, T F; Saetre, L with others
Recursive CTD comb filter and its applications to MTI
radar signal processing.
1976 Govt. Microcircuit Applications Conf., Nov.
1976, Orlando, Fla.
IN Proc., 1976, p. 246-249.
- Titus, H A; Hoisington, J B
Electronic warfare in missile design.
Collog. on the Design, Develop. and Evaluation of
Navy Tactical Missile Systems. Naval Postgraduate
School, Apr. 25-30, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
TECHNICAL REPORTS AND NOTES

- Adler, R W
"ASAP" antennas-scatterers analysis program: a
user-oriented thin wire antenna computer code.
Naval Postgraduate School, (NPS-62AB770801), 1977.
133 p.
- Adler, R W
Electromagnetic compatibility survey.
Naval Postgraduate School, (NPS-62Ab770901), 1977.
v. p.
- Duffin, J H
Investigation of airborne chemical concentrations in
certain work areas of Naval Air Rework Facility at North
Island, Calif.
Naval Postgraduate School (NPS-62DN76121) 1976. 113
p.
- Duffin, J H
A study of the aircraft engine emissions catalog in its
present form: suggestions regarding a proposed summary
catalog
Aircraft Environmental Support Office, North Island,
Calif., (AESO 101-78-01), 1978. 50 p.
- Duffin, J H
A study of the aircraft engine emissions catalog in its
present form. Suggestions regarding a proposed summary
catalog
Aircraft Environmental Support Office, North Island,
Calif., (AESO 101-78-01), 1978. 50 p.
- Gerba, J A; Thaler, G J
A method for scaling the heave motion equations of the
C.A.B. 6-D.O.F. loads and motion program from model to
full-size craft
Sponsored by the Naval Sea Systems Command (PMS-304),
Surface Effect Ship Project Office. Naval
Postgraduate School, (NPS-6277002), 1977. 42 p.
- Gerba, J A; Thaler, G J
Pressure ratio effects on the heave motion
characteristics and pressure dynamics of the XR-3 loads
and motion program forforstep weight transients.
Naval Postgraduate School (NPS-62Tr77011) 1977.
- Gerba, J A; Thaler, G J
Frequency response studies of ambient pressure effects
on the XR-3 computer program (6-D.O.F.)
Naval Postgraduate School (NPS-62TR-77091) 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
TECHNICAL REPORTS AND NOTES (cont'd)

- Gerba, J A; Thaler, G J
Pressure ratio effect on the heave motion characteristics and pressure dynamics of the XR-3 loads and motion program for step weight transients.
Naval Postgraduate School (NPS-62TR-77011) 1977.
- Gerba, J A; Thaler, G J
A method for scaling the heave motion equations of the C.A.B. 6-D.O.F. loads and motion program from model to full-size craft.
Naval Postgraduate School (NPS-6277002), 1977. 42 p.
- Gerba, J A; Thaler, G J
Frequency response studies of ambient pressure effects on the XR-3 computer program (6-D O. F.).
Naval Postgraduate School (NPS-62Tr77091) 1977.
- Gerba, J A; Thaler, G J
Sensitivity analysis of the XR-3 heave equations to changes in plenum air leakage and influx rates
Sponsored by the Naval Sea Systems Command (PMS-304), Surface Effect Ship Project Office. Naval Postgraduate School, (NPS-6278008PR), 1978. 90 p.
- Hoisington, D B
Magnetic ranging and magnetic sensors for the TRIDENT program (V).
Naval Postgraduate School (NPS-62HS-77031) 1977.
- Hoisington, D B; Alexander, S J
A theoretical and experimental investigation of phase-front distortion jamming.
Naval Postgraduate School (NPS-52HS7601) 1976. 35 p.
- Hoisington, D B; Knorr, J B
Soviet Naval electronic warfare (U), the Soviet click jammers and the threat to U. S. Navy radars, initial effort (U)
Sponsored by the Naval Intelligence Support Center. Naval Intelligence Command, (NIC-1732R-002-78), 1978. 33 p.
- Hoisington, D B; Thomas, C J
The Navy's educational programs in electronic warfare.
Naval Postgraduate School (NPS-73HS-77051) 1977.
- Knorr, J B
Effectiveness of Soviet click jammers against U. S. Naval radars: general considerations.
Naval Postgraduate School, (NPS-7377001), 1977.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
TECHNICAL REPORTS AND NOTES (cont'd)

- Knorr, J B
Dielectric loaded finned waveguide study.
Naval Postgraduate School (NPS-62Ko77031A) 1977.
- Knorr, J B
Dielectric leaded finned waveguide study.
Naval Postgraduate School, (NPS-62K077031A), 1977.
53 p.
- Knorr, J B
Soviet Naval electronic warfare (U), effectiveness of
Soviet, click, jammers against U. S. Naval radars:
general considerations (U)
Sponsored by Naval Intelligence Support Center.
Naval Intelligence Command, (NIC-1732R-001-78), 1978.
49 p.
- Knorr, J B
Annual summary report, range studies program.
Naval Postgraduate School, (NPS-71W176081), 1976. 12
p.
- Myers, G A; Kilborn, E
Interval modulation (IM) of a sinusoidal carrier.
Naval Postgraduate School (NPS-62Mv-77031) 1977.
- Ohlson, J E; Adler, R W; Hollar, B K
Evaluation of the AS-3018/WSC-1(V) shipboard SATCOM
antenna.
Naval Postgraduate School (NPS-52AB76031) 1976. 61
p.
- Ohlson, J E; Arneson, D C
A level density analyzer for shipboard RFI measurements.
Naval Postgraduate School (NPS-620L76107) 1976. 83
p.
- Ohlson, J E; Brick, E S
A simplified simulator for shipboard radio frequency
interference in satellite communications.
Naval Postgraduate School (NPS-620L76109) 1976. 264
p.
- Ohlson, J E; Carlson, R F
Receiver desensitization of the AN/WSC-3 satellite
communications set.
Naval Postgraduate School (NPS-620L76091) 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
TECHNICAL REPORTS AND NOTES (cont'd)

- Ohlson, J E; Carlson, R ?
Guard bands and hardware modifications for RFI reduction
in AN/WSC-3 and AN/SSR-1 satellite communications units.
Naval Postgraduate School (NPS-620L76121) 1976.
- Ohlson, J E; Carlson, R F
Performance of the AN/WSC-3 and AN/SSR-1 satellite
communications units in the presence of pulsed radar
noise.
Naval Postgraduate School (NPS-620L76122) 1976.
- Ohlson, J E; Carlson, R F
Receiver desensitization of the AN/SSR-1 satellite
communications receiver.
Naval Postgraduate School (NPS-620L76101) 1976.
- Ohlson, J E; Carlson, R F
Bit-error rate measurements on the AN/WSC-3 and AN/SSR-1
satellite communications sets.
Naval Postgraduate School (NPS-620L76102) 1976. 60
p.
- Ohlson, J E; Landry, T C
Shipboard radio frequency interference in UHF satellite
communications.
Naval Postgraduate School (NPS-620L76103) 1976.
- Ohlson, J E; Mace, F E
A high level noise blanker and RF amplifier system for
the UHF band.
Naval Postgraduate School (NPS-620L76106) 1976. 107
p.
- Ohlson, J E; Meno, T D B
ITU registrations and Navy UHF SATCOM.
Naval Postgraduate School (NPS-620L76104) 1976. 174
p.
- Ohlson, J E; Parker, G B
Deck boxes for UHF SATCOM radio frequency interference
study.
Naval Postgraduate School (NPS-620L76105) 1976. 55
p.
- Ohlson, J E; Reid, M S
Conical scan tracking with the 64-M-diameter antenna at
goldstone.
Jet Propulsion Lab., Calif. Inst. Technol., Pasadena,
Calif., (PR-32-1605) 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
TECHNICAL REPORTS AND NOTES (cont'd)

- Ohlson, J E; Shuff, A R
Instrumentation package for measurement of shipboard
RFI.
Naval Postgraduate School (NPS-620L76108) 1976. 73
p.
- Rothauge, C H; Wilcox, M L; Baycura, J M; Burton, R M
RMS system reliability study.
Naval Postgraduate School, (NPS-6278005PR), 1977. 16
p.
- Sackman, G L
Future magnetic ranging requirements for trident and the
feasability of simultaneous magnetic and acoustic
ranging(U).
Naval Postgraduate School, (NPS-717700PR), 1977,
(SECRET).
- Sackman, G L
Introduction to acoustic signal processing.
Naval Postgraduate School (NPS-62Sa-77111) 1977.
- Sackman, G L
Non-acoustic sensors.
IN Wilson, O B Range Studies Program: Annual
Summary Report, Naval Postgraduate School
(NPS-7W176081), 1977. 13 p.
- Sackman, G L; Davis, W O; Donaldson, P H
Introduction to acoustic signal processing.
Naval Postgraduate School, (NPS-62Sa77111), 1977.
163 p.
- Sackman, G L
Annual summary report range studies program.
Naval Postgraduate School, (NPS-71W176081), 1976.
9-10 p.
- Stentz, D A
A brief survey of adaptive control systems.
Naval Postgraduate School, (NPS-62Sz77071). 11 p.
- Stentz, D A
A brief survey of adaptive control systems.
Naval Postgraduate School, (NPS-6278003), 1978. 30
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELECTRICAL ENGINEERING
TECHNICAL REPORTS AND NOTES (cont'd)

Stentz, D A

A brief survey of adaptive control systems
Sponsored by the Naval Undersea Warfare Engineering
Station, Naval Postgraduate School, (NPS-6278003),
1978. 27 p.

Stentz, D A

Annual summary report range studies program.
Naval Postgraduate School, (NPS-71Wh76081), 1976. 18
p.

Tao, T F; Pierret, R

An evaluation of integrated injection logic.
(FAA-RD-77-137), Aug. 1977.

Titus, H A

Advances in passive target tracking.
Volumes I & II, Naval Postgraduate School, May 1977.

Titus, H A; Homer, C D; Kirk, D

The applications of extended Kalman filtering to the
position locations reporting systems.
1976

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
CONFERENCE PRESENTATIONS

- Chang, C P
Study of planetary and synoptic-scale waves of the
Northern Summer monsoon.
GARP Study Conf. on Numerical Modeling of the
Tropics, Exeter, UK, Apr 1976.
- Chang, C P; Delaney, D M
Possible influences of sea-surface temperature on the
equatorial Pacific
RMS/RS/AMS/DMG Conference on Meteorology over the
Tropical Oceans, London, United Kingdom, Aug. 21-25,
1978.
- Davidson, K L
Role of intermittancies in obtaining bulk estimates of
small turbulence scale properties.
Workshop on Remote Sensing of the Marine Boundary
Layer, Vail, Colo., Aug. 1976.
- Davidson, K L
Stability and flux estimates in marine fog regimes.
4th Ann. Marine Fog Propagation Rev., Reno, Nev.,
Jan. 1976.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E
Evaporation duct height measurements
7th CANCAM Conference, Shebrooke, Canada, May, 1978.
- Elsberry, R L
Developmental experiments for a western pacific tropical
cyclone forecast model.
Joint Organizing Comm. Study Conf. on the Develop. of
Numerical Models in the Tropics, Exeter, Apr. 1976.
- Elsberry, R L
Progress in tropical cyclone forecasting.
Global Extended Range Automated Environ. Prediction
System Coord. Meeting, Monterey, Calif., Nov 1976.
- Elsberry, R L; Camp, N T
Role of strong atmospheric forcing events in modeling of
oceanic thermal structure.
Ocean Forecasting Workshop, Monterey, Calif., June
1976.
- Haney, R L
The oceans effects on long term weather variabilities
The World of the Ocean, (Girl Scouts of America),
Asilomar, Calif., Apr. 28-30, 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
CONFERENCE PRESENTATIONS

(cont'd)

Renard, R J

A new approach to the determination of climatological
marine-fog frequencies with application to the
summer-fog season of the North Pacific Ocean.
Monterey Peninsula Chapter of Am. Meteorol. Soc.,
Monterey, Calif., Mar 1976.

Renard, R J

Marine-fog diagnosis and climatology from synoptic
weather reports and weather satellite observations over
the North Pacific Ocean.
4th Conf. on Marine Fog, Lab. of Atmos. Phy., Desert
Research Inst., Reno, Nev., Jan. 1976.

Renard, R J

Marine-fog diagnosis and climatology from synoptic
weather reports and weather satellite observations over
the North Pacific Ocean.
4th Conf. on Marine Fog, Lab of Atmos. Phy., Desert
Research Inst., Reno, Nev., Jan. 6-7, 1976.

Renard, R J

Observation, analysis and prediction of marine fog
Program Review for Exploratory Development Program:
Atmospheric Environmental Support, Naval
Environmental Prediction Research Facility, Monterey,
Calif., Mar. 30-31, 1978.

Renard, R J

Evaluation of remote weather station data and the
airborne research data system in the Antarctica
U. S. Antarctic Res. Program, 1978 Orientation
Session, Arlington, Va., Sept. 17-20, 1978.

Williams, B T; Chang, C P; Tupaz, J B

Study of planetary and synoptic-scale waves of the
northern summer monsoon.
GARP Study on Tropical Numerical Modeling, Exeter,
England, Apr. 1976.

Elsberry, R L; Shewchuk, J D; Walters, T P

Effects on initial data on a dynamical model of tropical
cyclone motion
Conference on Meteorology over the Tropical Oceans,
London, England, Aug. 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
CONTRIBUTIONS TO BOOKS

Elsberry, R L.
Upwelling in the ocean.
Ch. 11.
IN Modelling and Prediction of the Upper Layers of
the Ocean, New York, Pergamon, 1977, p.
178-228.

Renard, R J
Ch. 28, weather elements.
IN American Practical Navigator, vol. 1. Defense
Mapping Agency Hydrographic Center, 1977,
(Public no. 9), p. 863-889.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
JOURNAL PJBS & CONFERENCE PROCS

- Chang, C P
Some theoretical problems of the planetary scale
monsoons.
Pure and Applied Geophysics, vol. 115, p. 1089-1109,
(1977).
- Chang, C P
Viscous internal gravity waves and low frequency
oscillations in the tropics.
Journal of the Atmospheric Sciences, vol. 34, p.
901-910, (June 1977).
- Chang, C P; Miller, C, III
Comparison of easterly waves in the tropical pacific
during two contrasting periods of sea-surface
temperature anomalies.
Journal of the Atmospheric Sciences, (Apr. 1977).
- Chang, C P; Pentimonti, J J
A numerical study of time-mean Northern summer monsoon
with steady and fluctuating heating
Indian J. Meteorology, Hydrology and Geophysics, vol.
29, no. 1-2, p. 205-214, (1978).
- Chang, C P
Viscous internal gravity waves and the low-frequency
tropical oscillations.
10th Tech. Conf. of Hurricanes and Trop. Meteorology,
Charlottesville, Va., July 1976.
IN Bull. Am. Meteorol. Soc., vol. 57, (1976).
- Chang, C P
Forcing of stratospheric Kelvin waves by tropospheric
heat sources.
J. Atmospheric Sciences, vol. 33, p. 740-744, (1976).
- Chang, C P
Vertical structure of tropical waves maintained by
internally-induced cumulus heating.
J. Atmospheric Sciences, vol. 33, p. 729-739, (1976).
- Chang, C P
Comments on "Instability of large-scale disturbances in
the tropics".
J. Atmospheric Sciences, vol. 33, p. 1667-1668,
(1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Chang, C P; Kuo, H L and others
Theoretical studies.
Rept. Study Conf. on Develop. Numerical Models for
the Tropics, Exeter GARP Working Group on Numerical
Experiments. Rept., vol. 13, p. 89-105, 1976.
- Chang, C P; Maas, E
A case of cross-equatorial displacement of a vortex.
Monthly Weather Rev., vol. 104, p. 653-655, (1976).
- Chang, C P
Barotropic instability of a spatially-varying mean flow.
Conf. Atmospheric and Oceanic Waves and Stability,
Seattle, Mar 1976.
IN Bull. Amer. Meteorol. Soc., vol. 57, p. 101,
(1976).
- Chang, C P; Williams, R J; Tupaz, J B
Study of Monsoonal circulations.
Study Conf. on Tropical Numerical Modelling, Exeter,
Engl., UK, Apr 1976.
- Davidson, K L
Descriptions of optically relevant turbulence
parameters.
ODDR & E Opt/Submillimeter Workshop USAF Acad.,
Colorado Springs, Colo., Dec. 1976.
- Davidson, K L
Shipboard measurements of small-scale turbulence
properties.
2nd Conf. on Ocean-Atmosphere Interactions (AMS),
Seattle, Wash., Apr. 1976.
IN Bull. Am. Meteorol. Soc., vol. 57, p. 137,
1976.
- Davidson, K L; Crittender, E
Laser transmission in the marine environment.
Naval Res. Rev., vol. 26, p. 6-11, (1976).
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E
Optimal turbulence parameters in marine boundary
Lasers '78, Orlando, Fla., Dec., 1978.
IN Proc., Sponsored by the Soc. Photo
Instrumentation Engineers, 1978, p. 10.
- Davidson, K L; Houlihan, T
Optically relevant turbulence parameters in the marine
boundary layer.
Adv. Eng. Sci., vol. 3, p. 1137-1152 (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Davidson, K L; Houlihan, T
Results on optically relevant turbulence properties in
marine boundary layer.
SPIE/SPSE Symposium, Reston, Va., Mar. 1976.
IN Proc.
- Davidson, K L; Houlihan, T
Turbulence effects upon laser propagation in the marine
boundary layer.
SPIE Conf. on Imaging through the Atmosphere, Reston,
Va., Mar. 1976. SPIE, vol. 75, p. 62-63, (1976).
- Elsberry, R L; Anthes, R and others
Dynamics and modeling aspects of tropical cyclones.
Study Conf. on Develop. Numerical Models for the
Tropics, Exeter, England. Global Atmosphere Res.
Program WGENE. Report No. 13, p. 119-131, (1976).
- Elsberry, R L; Camp, N. T
Oceanic thermal response to strong atmospheric forcing:
I characteristics of forcing events
J. Physi. Oceanogr., vol. 8, no. 2, p. 206-214,
(1978).
- Elsberry, R L; Camp, N T
Vertical heat fluxes associated with the deepening
mixed-layer during the cooling season.
2nd Conference on Ocean-Atmosphere Interactions.
IN Bull. Am. Meteorol. Soc., vol 57, no. 1, p.
135, (1976).
- Elsberry, R L; Camp, N T
The role of strong atmospheric forcing events in
modeling oceanic thermal structure.
Ann. Fall Meeting, AGU, San Francisco, Calif., Dec.,
1976.
IN EDS, vol. 57, no. 12, p. 936, 1976.
- Elsberry, R L; Fraim, T S; Trapnell, R N
A mixed-layer model of the oceanic thermal response to
hurricanes.
J. Geophys. Res., vol. 81, no. 6, p. 1153-1162,
(1976).
- Elsberry, R L; Garwood, R W
Sea-surface temperature anomaly generation in relation
to atmospheric storms
Bull. Am. Meteorological Soc., vol. 59, no. 7, p.
786-789, (1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Elsberry, R L; Johnson, J F
Testing a one-dimensional ocean thermal structure
prediction model with operational data
American Geophysical Union Annual Fall Meeting, San
Francisco, Calif., Dec. 1977.
IN Trans. Amer. Geophys. Union, vol. 58, p. 1163.
- Elsberry, R L; Ley, G W
On the strategy of initializing nested grid meshes in
numerical weather prediction.
Mon. Wea. Rev., vol. 104, no. 6, p. 797-799, (1976).
- Elsberry, R L; Ley, G W
Forecasts of typhoon Irma using a nested-grid model.
Mon. Wea. Rev., vol. 104, no. 9, p. 1154-1161,
(1976).
- Elsberry, R L; Perry, R; Hinsman, D
Experiments with a nested grid model for tropical
cyclone motion forecasts.
Conf. on Simulation of Large-Scale Atmospheric
Processes, Hamburg, Germany, Aug./Sept., 1976.
IN Proc., 1976, p. 162-165.
- Elsberry, R L; Raney, S D
Sea-surface temperature response to variations in
atmospheric wind forcing
J. Phys. Oceanogr., vol. 8, no. 5, p. 881-887,
(1978).
- Haltiner, G J; Barker, E H
Initial balancing with a variational method.
Pro. Intern. Conf. on Simulation of Large Scale
Atmospheric Processes. Annalen Der Meteorologie, Neue
Folge 11, 1976, p. 119-121.
- Haltiner, G J; Sasaki, Y K; Barker, E H
A variation procedure for obtaining global balanced
winds.
World Meteorological Conference on Four-Dimensional
Data Assimilations, Paris, Nov 1975.
IN Proc., vol. 11, p. 198-223, (1976).
- Haney, R L
Dynamical prediction of large scale sea surface
temperature anomalies.
IN Joint Oceanog. Assembly, Edinburgh, Scot.,
Sept. 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Haney, R L
The role of surface mixing in the seasonal variation of ocean thermal structure.
A.M.S. Conf. on Ocean Atmosphere Interactions,
Seattle, Wash., Apr. 1976.
IN Am. Meteorol. Soc. Bull., vol. 57, no. 1,
(1976).
- Haney, R L
The effect of seasonally varying atmospheric forcing on the ocean circulation.
Fall Ann. Meeting of the AGU, San Francisco, Calif.,
Dec 1976.
IN EOS, Trans., vol. 57, no. 11, 1976.
- Haney, R L
Modeling sea-surface temperature anomalies.
Ocean Modeling, vol. 4, (Apr. 1977).
- Haney, R L; Davies, R W
The role of surface mixing in the seasonal variation of the ocean thermal structure.
J. Phys. Oceanogr., vol. 6, no. 4, p. 504-510, (1976).
- Haney, R L; Shiver, W S; Hunt, K H
A dynamical-numerical study of the formation and evolution of large-scale ocean anomalies
J. of Phys. Oceanogr., vol. 8, no. 6, p. 952-969,
(1978).
- Renard, R J
The observation, analysis, forecasting and climatology of marine fog on the high seas and in coastal areas.
WMO Tech. Conf. on the Applications of Marine Meteorology to the High Seas and Coastal Zone Develop., Geneva, Switz., Nov 1976. WMO Pub. No. 454, 1976, p. 211-223.
- Renard, R J; Jarrell, J J
The climatology and forecasting of Eastern North Pacific Ocean tropical cyclones.
10th Tech. Conf. on Hurricanes and Tropical Meteorology, Charlottesville, Va., July 1976.
IN Bull. Am. Meteorol. Soc., vol. 57, p. 524,
(1976).
- Renard, R J; Van Orman, B L
Statistical diagnostic modeling of marine fog using model output parameters
58th Annual Meeting of the Am. Meteorol. Soc., Savannah, Ga., Jan. 29-Feb. 2, 1978.
IN Bull. Am. Meteorol. Soc., vol. 58, no. 10, p. 1131, (1977).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Renard, R J; Williams, G R
A new approach to the determination of climatological
marine-fog frequencies with application to the summer
fog season of the North Pacific Area.
2nd Conf. Am. Meteor. Soc. on Ocean-Atmosphere
Interactions, Seattle, Mar. 30-Apr. 2, 1976.
IN Bull. Am. Meteor. Soc., vol. 57, no. 1, p. 150,
(1976).
- Renard, R J; Williams, G R
A new approach to the determination of climatological
marine-fog frequencies with application to the summer
fog season of the North Pacific area.
2nd Conf. Am. Meteorol. Soc. on Ocean-Atmosphere
Interactions, Seattle, Wash., Mar/Apr 1976.
IN Bull. Am. Meteorol. Soc., vol. 57, p. 150,
(1976).
- Williams, R T
A review of theoretical models of atmospheric
frontogenesis
Chapman Conference on Oceanic Fronts, American
Geophysical Union, New Orleans, La., Oct. 11-14,
1977.
IN Proc., Trans. AGU, vol. 59, no. 5, p. 492.
- Williams, R T; Chang, C P
Barotropic instability of a spatially-varying mean flow.
Conf. on Atmospheric Waves and Stability, Seattle,
March/April 1976.
IN Bull. Am. Meteorol. Soc., vol. 57, p. 101,
(1976).
- Williams, R T; Hayes, J L
Numerical simulation of air flow over mountains.
Fall Annual Meeting, American Geophysical Union, San
Francisco, Calif., Dec. 5-9, 1977.
IN Trans. AGU, vol. 58, no. 12, p. 1147.
- Williams, R T; Kelley, R G
A finite element prediction model with variable element
sizes.
Am. Geophys. Union, Fall. Ann. Meeting, San
Francisco, Calif., Dec., 1976.
IN Am. Geophys. Union Trans., vol. 57, no. 12, p.
927, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Williams, R T; Kurth, R P
Formation of discontinuities in a stratified, rotating atmosphere.
J. Geophys. Res. vol. 81, p. 1133-1140, (1976).
- Williams, R T; Schoenstalt, A L
The computational stability properties of the Shuman pressure gradient averaging technique.
J. Comp. Phys., vol. 21, no. 2, p. 166-177, (1976).
- Williams, R T; Tupaz, J B; Chang, C P
A numerical study of the locally unstable barotropic Easterly jet
Indian J. Meteorology, Hydrology and Geophysics, vol. 29, no. 1-2, (1978).
- Williams, R T; Tupaz, J B; Chang, C P
A numerical study of barotropic instability in a zonally varying Easterly jet
J. Atmos. Sci., vols. 35-37, no. 7, p. 1265-1280, (1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
TECHNICAL REPORTS AND NOTES

- Chang, C P
Plan for U.S. participation in the monsoon experiment.
National Academy of Sciences, 1977. 126 p.
- Chang, C P; Williams, R F
Tropical wave dynamics
Sponsored by the National Science Foundation. Naval
Postgraduate School, (NPS-6378001PR), 1978. 65 p.
- Chang, C P; Williams, R F
Tropical wave dynamics.
Sponsored by the National Science Foundation. Naval
Postgraduate School, (NPS-63CJ78031), Mar. 1978. 65
p.
- Chang, C P; Miller, C R, III
Spectrum analysis of easterly waves in the tropical
pacific during two contrasting periods of sea-surface
temperature anomalies.
Naval Postgraduate School (NPS-63CJ76071) 1976. 46
p.
- Davidson, K L; Houlihan, T
Optical propagation in the marine boundary layer,
meteorology studies.
Report, (1976).
- Elsberry, R L
Operational data tests with a tropical cyclone model.
Naval Postgraduate School, (NPS-63ES77031), 1977. 28
p.
- Elsberry, R L; Camp, N T
Oceanic thermal response to strong atmospheric forcing,
I. characteristics of forcing events.
Journal of Physical Oceanography, vol. 8, no. 2, Mar.
1978. 206-214 p.
- Renard, R J
Proposed Navy-related weather observations and research
for the United States' scientific mission in Antarctica.
Polar Meteorology Workshop, Reno, Nev., 1975.
IN Tech. Rep. Ser. P, no. 18, 1976. 88-90 p.
- Renard, R J; Bowman, W N
The climatology and forecasting of Eastern North Pacific
Ocean tropical cyclones.
Naval Environ. Prediction Res. Facility, Monterey,
Calif., (Tech. Paper 6-75). 27 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES

(cont'd)

- Renard, R J; Foster, M S;
The airborne research data system: description and an
evaluation of meteorological data recorded during
selected 1977 Antarctic flights.
Naval Postgraduate School, (NPS-6378002), May 1978.
90 p.
- Renard, R J; Foster, M S
The airborne research data system (ARDS): description
and an evaluation of meteorological data recorded during
selected 1977 antarctic flights
Sponsored by the National Science Foundation. Naval
Postgraduate School, (NPS-6378002), 1978. 90 p.
- Renard, R J; Salinas, M S
The history, operation and performance of an
experimental automatic weather station in Antarctica.
Naval Postgraduate School, (NPS-63Rd77101), Oct.
1977. 57 p.
- Renard, R J S
Climatology and synoptic meteorology: recommendations
for the Antarctic and Arctic areas.
Polar Meteorology Workshop, Reno, Nev., 1975.
IN Tech. Rep. Ser. P, no. 18, 1976. 7-10 p.
- Williams, R T
The polar problem in a global prediction model.
Naval Postgraduate School, (NPS-63WU76111), 1976. 29
p.
- Williams, R T
FGGE and its potential benefits to the Navy.
Naval Postgraduate School, (NPS-63WU76091), 1976. 39
p.
- Williams, R T; Chang, C P
Tropical wave dynamics
Sponsored by the National Science Foundation. Naval
Postgraduate School, (NPS-6378001PR), 1978. 65 p.
- Williams, R T; Hayes, J L
Numerical simulation of air flow over mountains.
Naval Postgraduate School, (NPS-63Wu7741), 1977. 68
p.
- Williams, R T; Kelley, R G
A finite element prediction model with variable element
sizes.
Naval Postgraduate School, (NPS-63WU76101), 1976.
109 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES

(cont'd)

Williams, R T; Robertson, T G
Effect of CISK on barotropic instability.
Report, 1976. 19 p.

Williams, R T; Rosmond, R
Divergent initialization experiments using a spectral
model.
Naval Postgraduate School, (NPS-63Wu7791), Sept.
1977. 81 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
CONFERENCE PRESENTATIONS

Ball, R E; Biblarz, O
The MHD-sheath voltage drop, effects of higher currents
IEEE Int. Conf. on Plasma Sci., Monterey, Calif., May
15-17, 1978.

Ball, R E; Citerley, R L; Gibson, W C
Response of a cylindrical fluid container to seismic
motion.
Joint Petrol. Mech. Eng. and Pressure Vessels and
Piping Conf., ASME, Mexico City, Mexico, Sept. 1976.

Biblarz, O
Electrogasdynamics spectrol anemometer
Symposium on Electrohydrodynamics, Colo. State Univ.,
Fort Collins, Colo., Jan. 16-18, 1978.

Biblarz, O
A re-examination of the classical solution to the
positive column of a glow discharge
1978 IEEE Int. Conf. on Plasma Sci., Monterey,
Calif., May 15-17, 1978.

Biblarz, O; Dolson, R C
A computer analysis of the MHD-sheath plasma drop.
IEEE Intern. Plasma Sciences Meeting, Austin, Tex.,
May 1976.

Layton, D M
The effects of bow seal shape on the performance of a
captured air bubble surface effect ship.
Advanced Marine Vehicles Conf., Arlington, Va., Sept.
1976.

Layton, D M
Current activities in lighter-than-air.
Sigma Xi Dinner Meeting, Dec. 1976.

Lindsey, G H; Carlton, C; Francis, E C
Solid propellant fracture behavior in a combined
straining - cooling motor loading condition.
To be presented at the 15th Meeting of JANNAF
Structures & Mechanical Behavior Working Group
Meeting.

Lindsey, G H; Francis, E C; Carlton, C
Fracture analysis of rocket motor subjected to slow
coll-down
Annual Meeting of JANNAF Structures and Mechanical
Behavior Subcommittee, Naval Postgraduate School,
Monterey, Calif., Apr. 17-19, 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS

(cont'd)

- Netzer, D W
Experimental investigations of solid fuel ramjet combustors.
JANNAF Workshop on Solid Fuel Ramjets, NPS, June 1976.
- Netzer, D W
Modeling solid fuel ramjet combustion.
13th JANNAF Combustion Meeting, Naval Postgraduate School, Sept. 1976.
- Netzer, D W
Modeling solid fuel ramjet combustion.
JANNAF Workshop on Solid Fuel Ramjets, NPS, June 1976.
- Netzer, D W; Zarlingo, F
Status of solid fuel ramjet technology.
JANNAF Propulsion Meeting, Atlanta, Ga., Dec. 1976.
- Netzer, D W; Zarlingo, F
Effect of system design and operational environment on the combustion behavior in solid fuel ramjets.
13th JANNAF Combustion Meeting, Naval Postgraduate School, Sept. 1976.
- Platzer, M F; Chadwick, W R; Schleib, P B
Unsteady transonic and supersonic cascade flows.
Symposium on Aeroelasticity, International Union for Theoretical and Applied Mechanics, Paris, France, Oct. 18-23, 1976.
- Platzer, M F; Margason, R M
Prediction methods for jet VSTOL propulsion aerodynamics.
AIAA Aircraft Systems and Technol. Meeting, Dallas, Tex., Sept. 1976.
- Schmidt, L V
Unsteady aerodynamics of a circulation controlled airfoil
4th European Rotorcraft and Powered Lift Aircraft Forum, Stresa, Italy, Sept. 13-15, 1978.
- Shreeve, R P
Calibration & application of multiple sensor pneumatic probes for velocity determination with corrections for boundary effects.
AIAA 9th Fluid & Plasma Dynamics Conf., San Diego, Calif., July, 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
CONFERENCE PRESENTATIONS

(cont'd)

- Shreeve, R P
Real-time measurements in a transonic compressor.
ONR-NAVAIR Workshop on Transonic Flow Problems in
Turbomachines, Naval Postgraduate School, Feb. 1976.
- Shreeve, R P
Probes and measurement techniques from tests of a small
transonic compressor
AIAA/SAE 14th Joint Propulsion Conf., Las Vegas,
Nev., July 25-28, 1978.
- Shreeve, R P; Dodge, F J; Hawkins, W R; Larson, V J
Probe measurements of velocity and losses from a small
axial transonic rotor
AIAA 11th Fluid and Plasma Dynamics Conf., Seattle,
Wash., July 10-12, 1978. (Am. Inst. Aeron.
Astronautics Paper 78-1198), Am. Inst. Aeron.
Astronautics, 1978, p. 52.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
CONTRIBUTIONS TO BOOKS

- Layton, D M
Proceedings of the flight control systems criteria
symposium
IN Proc., 1978. 456 p.
- Platzer, M F
Prediction methods for jet USTOL propulsion
aerodynamics. (editor).
Naval Air Systems Command Res. Technol. Group, 1976.
- Platzer, M F; Adamson, T C
Transonic flow problems in turbomachinery (editor).
Project SQUID Workshop on Transonic Flows in
Turbomachines, Naval Postgraduate School, 1976.
Hemisphere Pub. Corp., 1977.
- Zucker, R D
Fundamentals of gas dynamics.
Champaign, Matrix, Ill., 1977. 443 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
JOURNAL PUBS & CONFERENCE PROCS

- Ball, R E
Structural response of fluid-containing tanks to
penetrating projectiles.
Hydrodynamic Ram Seminar, Wright-Patterson AFB, Ohio,
Oct. 1976. Conf. Record, (1976).
- Ball, R E
Research on the damage to aircraft composite material
fuel tanks due to penetrating projectiles (hydraulic
ram) at the Naval Postgraduate School.
IN Army Symp. Solid Mech., 1976. Trans. (1976).
- Ball, R E
Transient response of fluid-backed plates - a comparison
of Piston theory and NASTRAN solutions.
Presented by W. J. Stronge at the 15th Midwestern
Mechanics Conference, University of Illinois, Chicago
Circle, Mar. 23-25, 1977.
IN Conference Proceedings contains only abstracts.
- Ball, R E; Fahrenkrog, S L
Crack damage in fluid-containing tanks due to ballistic
penetrators.
Hydrodynamic Ram Seminar, Wright-Patterson AFB, Ohio,
Oct. 1976. Conf. Record, (1976).
- Ball, R E; Remers, R T
Designing military aircraft for survival in combat.
Astronautics and Aeron., vol. 14, no. 5, p. 62-64,
(1976).
- Biblarz, O
Phase plane-analysis of transonic flows.
AIAA. 9th Fluid and Plasma Dynamics Conf., San Diego,
July 1976. Conf. Record, AIAA paper No. 76-232,
1976.
- Biblarz, O
Phase plane analysis of transonic flows.
9th AIAA Fluid and Plasma Dynamics Conf., San Diego,
Calif., July 14-16, 1976.
- Biblarz, O
Electrode loss mechanisms in MHD generators.
IN AFOSR Contractors' Meeting of MHD Power
Generation and Lasers, Stanford, May 1976.
Conf. Record (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Biblarz, O
Stabilization of glow discharges by supersonic flows.
Presented at the 31th Annual Gaseous Electronics
Conference, Palo Alto, Calif., Oct. 18-21, 1977,
(abstract in conference record and in Bulletin of the
American Physical Society).
- Biblarz, O
Electrodynamic spectral anemometer.
IN Symposium on Electrohydrodynamics at Colorado
State University, Jan. 16-18, 1978. (Abstract
on conference record and paper to appear in
Journal of Electrostatics).
- Biblarz, O
Electrodynamic spectral anemometer
J. Electrostatics, vol. 5, p. 101-120, (1978).
- Biblarz, O; Barto, J L; Post, H A
Gas dynamic effects on diffuse electrical discharges in
air
Israel J. Technol., vol. 15, no. 1 & 2, p. 59-69,
(1977).
- Biblarz, O; Barto, J L; Post, H A
Dynamic effects on diffuse electrical discharges in air.
19th Israel Ann. Conf. Aviation and Astronautics,
Israel (1977).
- Biblarz, O; Barto, J L; Post, H A
Gas dynamic effects on diffuse electrical discharges in
air.
Israel Journal of Technology, vol. 15, no. 1-2.
- Biblarz, O; Dolson, R C
Analysis of the voltage drop arising from a collision
dominated sheath..
J. Appl. Phys., vol. 47, no. 12, p. 5280-5287,
(1976).
- Biblarz, O; Dolson, R C
A computer analysis of the MHD-sheath voltage drop.
15th Symp. Eng. Aspects of MHD, Univ. of
Pennsylvania, May 24-26, 1976. AIAA J.
- Biblarz, O; Fuhs, A E
Laser aerodynamics.
Naval Res. Rev., vol. 29, no. 2, p. 11-13, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Gawain, T H; Ball, R E
Improved finite difference formulas for boundary value problems
Numerical Methods Eng., vol. 12, p. 1151-1160, (1978).
- Lindsey, G H
Aircraft fatigue instrumentation.
Naval Res. Rev., vol. 29, no. 2, p. 17-18, (1976).
- Miller, J A
A simple linearized hot-wire anemometer.
J. Fluids Eng., vol. 98, p. 749-752, (1976).
- Netzer, D W
Modeling of solid fuel ramjet combustion phenomena.
IN AFOSR Contractors Meeting, WPAFB, Aug. 1976.
- Netzer, D W
Modeling solid fuel ramjet combustion.
Journal of Spacecraft and Rockets, Dec 1977.
- Netzer, D W
Modeling solid-fuel ramjet combustion
J. Spacecraft and Rockets, vol. 14, no. 12, p. 762-766, (1977).
- Netzer, D W
Propulsion systems for future air launched tactical missiles.
2nd NAEI Tactical Missile Colloquium, May 15-20, 1977, Naval Postgraduate School.
- Netzer, D W
Model applications to solid-fuel ramjet combustion
J. Spacecraft and Rockets, vol. 15, p. 263-264, Sept./Oct. (1978).
- Netzer, D W; Andrews, J J
Laser schlieren for study of solid-propellant deflagration.
AIAA J., vol. 14, no. 3, p. 410-412, (1976).
- Platzer, M F
Unsteady phenomena in turbomachinery.
46th Propulsion & Energetics Panel Meeting, AGARD Conference.
IN Proc., no. 177, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Platzer, M F
Technical evaluation report.
46th Meeting of the AGARD Propulsion & Energetics
Panel, on Unsteady Phenomena in Turbomachinery,
Monterey, Calif., Sept. 22-26, 1975.
IN AGARD-CPP-177, p. ix-xvi, (1976).
- Platzer, M F
Unsteady flows in turbomachines - a review of current
developments.
AGARD Symposium on Unsteady Aerodynamics, Ottawa,
Canada, Sept. 26-28, 1977.
- Platzer, M F
Unsteady flows in turbomachines - a review of current
developments.
IN Proceedings of AGARD Symposium on Unsteady
Aerodynamics, Sept. 26-28, 1977.
- Platzer, M F
Unsteady flows in turbomachines - a review of current
developments
AGARD Conf. on Unsteady Aerodynamics, Ottawa, Canada,
Sept. 26-28, 1977.
IN AGARD Conf. Proc. No. 227, Unsteady
Aerodynamics, (AGARD-CP-227), Advisory Group
for Aerospace Res. & Development, Neuilly sur
Seine, France, 1978, p. 33-1 - 33-28.
- Platzer, M F
Transonic blade flutter - a survey of new developments
Shock and Vibration Digest, vol. 10, no. 9, p. 11-20,
(1978).
- Platzer, M F; Chadwick, W R; Schlein, P B
On the analysis of the aerodynamic and flutter
characteristics of transonic compressor blades.
Rev. Franc. Mecan., Numero Speciale, p. 65-72,
(1976).
- Platzer, M F; Chadwick, J R and others
On the analysis of supersonic flow past oscillating
cascades.
46th Meeting of the AGARD Propulsion & Energetics
Panel on Unsteady Phenomena in Turbomachinery,
Monterey, Calif., Sept. 22-26, 1975.
IN AGARD-CPP-177, 29.1-29.13, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Platzer, M F; Lin, D D
Approximate methods for transonic flow past finite wedge profiles.
Z. Ange. Math. Mech., vol. 56, no. 1, p. 51-57, (1976).
- Platzer, M F; Lin, D D; Ruoo, S J
Stability derivatives for bodies of revolution at subsonic speeds.
AIAA J., vol. 14, no. 2, p. 247-250, (1976).
- Platzer, M F; Margason, R J
Prediction methods for jet VSTOL propulsion aerodynamics
J. Aircraft, vol. 15, no. 2, p. 69-77, (1978).
- Platzer, M F; Simmons, J M; Bremhorst, K
Entrainment characteristics of unsteady subsonic jets
Am. Inst. Aeronaut. Astronautics, vol. 16, no. 3, p. 282-284, (1978).
- Shreeve, R P; Anderson, J J; Olson, J A
Velocity vector determination from multi-sensor pneumatic probe measurements
Am. Inst. Aeron. Astronautics, vol. 15, no. 11, p. 1539-1540, (1977).
- Shreeve, R P; Simmons, J M; Winters, K A; West, J C
Determination of transonic compressor flow field by synchronised sampling of stationary fast response transducers
ASME Winter Annual Meeting, San Francisco, Calif., Dec. 10-15, 1978.
IN Nonsteady fluid dynamics, Am. Soc. of Mechanical Eng., 1978, p. 91-101.
- Simmons, J M
Aerodynamic measurements on oscillating two-dimensional jet flap airfoil.
AIAA J., vol. 14, no. 6, p. 741-748, (1976).
- Simmons, J M; Hooker, R J
Experimental and simulation studies of transmission line vibration.
Conf. on Vibration and Noise Control Eng., Inst. Engrs., Sydney, Australia, Oct. 1976.
IN Proc.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

Simmons, J M; Radcliffe, D F
A new method for optimal control of manipulative-type
orthoses for high-level quadriplegics.
Med. and Biol. Eng., vol. 14, no. 3, p. 282-288,
(1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
TECHNICAL REPORTS AND NOTES

- Ball, R E
Structural response of fluid-containing-tanks to
penetrating projectiles (hydraulic ram) - A comparison
of experimental and analytical results.
Naval Postgraduate School (NPS-67GN77051), 1976.
- Ball, R E; Gawain, T H
Improved finite difference formulas for boundary value
problems.
Naval Postgraduate School, (NPS-67Gn77051), 1977.
- Ball, R E; Gawain, T H
Improved finite difference formulas for boundary value
problems.
Naval Postgraduate School, (NPS-67Gn77051), 1977. v.
p.
- Biblarz, O
Aerodynamic stabilization of gaseous discharges.
Naval Postgraduate School, (NPS-67Bi77111), 1977. 25
p.
- Biblarz, O
Aerodynamic stabilization of gaseous discharges.
Naval Postgraduate School, (NPS-67Bi77111), 1977. 25
p.
- Biblarz, O
Aerodynamic stabilization of gaseous discharges
Sponsored by the Naval Postgraduate School
Foundation. Naval Postgraduate School,
(NPS-67Bi77111), 1977. 25 p.
- Gawain, T H
On the stability of two basic parallel flows: analysis,
progress report and proposal for further research.
Naval Postgraduate School, (NPS-67Gn77061), 1977.
- Gawain, T H
Stability problem and some preliminary numerical results
Sponsored by the Chief of Naval Research. Naval
Postgraduate School, (NPS-6778006), 1978. 37 p.
- Gawain, T H; Ball, R E
Improved finite difference formulas for boundary value
problems.
Naval Postgraduate School, (NPS-67Gn77051), 1977. v.
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
TECHNICAL REPORTS AND NOTES

(cont'd)

- Gawain, T H
A mathematical model for turbulent flows involving
supersonic, subsonic and recirculating regions
Sponsored by the Naval Weapons Center, China Lake,
Calif. Naval Postgraduate School, (NPS-67Gn78003),
1978. 105 p.
- Layton, D M
Seal loads of the surface effect ship testcraft XR-3.
Naval Postgraduate School, (NPS-6778001PR), 1977.
142 p.
- Layton, D M
Seal loads of the surface effect ship testcraft XR-3
Sponsored by the Naval Sea Systems Command. Naval
Postgraduate School, (NPS-6778001PR), 1978. 156 p.
- Lindsey, G H
Progress report on aircraft fatigue studies.
Naval Postgraduate School, (NPS-67Li77091).
- Lindsey, G H
Microprocessors as aircraft fatigue monitors.
Naval Postgraduate School, (NPS-67Li77041), 1977. 17
p.
- Lindsey, G H
Microprocessors as aircraft fatigue monitor.
Naval Postgraduate School, (NPS-67Li77041), 1977.
- Lindsey, G H
Progress report on aircraft fatigue studies.
Naval Postgraduate School, (NPS-67Li77091), 1977. 31
p.
- Lindsey, G H
Research on fatigue of aircraft structures
Sponsored by the Naval Air Systems Command. Naval
Postgraduate School, (NPS-6778004PR), 1978. 25 p.
- Netzer, D W
Sensitivity of AQAM predictions for naval air operations
to meteorological and dispersion model parameters.
Naval Postgraduate School, (NPS-67Nt78051), 1978. 64
p.
- Netzer, D W
Sensitivity of AQAM predictions for Naval air operations
to meteorological and dispersion model parameters
Sponsored by the Naval Air Propulsion Center. Naval
Postgraduate School, (NPS-67Nt78051), 1978. 64 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
TECHNICAL REPORTS AND NOTES (cont'd)

- Netzer, D W; Mady, C J; Hickey, P J
An investigation of the combustion behavior of solid
fuel ramjets.
Naval Postgraduate School, (NPS-67Nt77092), 1977. 45
p.
- Netzer, D W; Speakman, G C; Hayes, J D
Internal aerodynamics of turbojet test cells.
Naval Postgraduate School, (NPS-67NT76121), 1976. 61
p.
- Netzer, D W; Thompson, G R
An ambient air quality model for assessment of U. S.
Naval Aviation emittants.
Naval Postgraduate School, (NPS-67NT76091), 1976.
100 p.
- Platzer, M F
The oscillating jet flap.
Naval Postgraduate School, (NPS-57P176031), 1976. 39
p.
- Schmidt, L V
Circulation control airfoil study, progress report no.
4.
Naval Postgraduate School, (NPS-67Sx77111), 1977. 25
p.
- Schmidt, L V
Fin-opening dynamics for an 8-inch gun launched extended
range guided projectile
Sponsored by the Naval Air Systems Command,
Washington, D. C. Naval Postgraduate School,
(NPS-6778010), 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY
CONFERENCE PRESENTATIONS

- Andrews, R S
Self-instruction methods in teaching introductory
geology.
Fall Meeting, Natl. Assoc. of Geol. Teachers, Far
Western and Hawaii Sec., Monterey, Calif., Oct. 9,
1976.
- Andrews, R S; Heacock, J G
Department of Defense interests in continental drilling
Workshop on Continental Drilling for Scientific
Purposes, Los Alamos, N. M., July 17-21, 1978.
IN Proc., U. S. Geodynamics Committee, National
Academy of Science/National Research Council,
1978.
- Andrews, R S; Heacock, J G
Earth physics program
Office of Naval Research. Terrestrial Science
Subelement Rev., Apr. 10, 1978.
IN Minutes, p. 115-137.
- Bourke, R H; Pfeiffer, J F
Evidence of Subarctic water mass intrusions at ocean
weather station November
Chapman Conference on Oceanic Fronts, New Orleans,
La., Oct. 11-14, 1977.
IN EOS, Trans., Am. Geophys. Union, vol. 58, no.
9, 1977, p. 887.
- Denner, W W
Naval Arctic Research Laboratory.
Arctic ASW Meeting, Seattle, Wash., Oct. 1976.
- Denner, W W
The use of snow to augment fresh water supplies on
arctic regions.
Pacific Northwest ASU Meeting, Victoria, BC, 1976.
- Denner, W W
Air support in arctic research.
Navy 5-Year Res. Planning Guide Meeting, Washington,
D. C., June, 1976.
- Haderlie, E C
Recent rock boring marine bivalves from Monterey Bay,
California
Dall Symposium, Geological Soc. Am., Apr., 1979.
IN Proc.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS

(cont'd)

- Haderlie, E C
Fouling communities in the intertidal zone on wooden and concrete piling at Monterey, California.
4th Intern. Cong. Marine Corrosion Fouling, Juanles-Pin, France, June 14-18, 1976.
- Haderlie, E C
Comparative natural resistance of four Central American hardwoods to marine borers
4th Int. Symposium on Biodeterioration, Berlin, Jan., 1979.
IN Proc.
- Jung, G H
New calculations of heat transported poleward by ocean currents.
Chapter of Am. Meteorol. Soc. Meeting, Naval Postgraduate School, Dec. 1976.
- Jung, G H
Ocean energy transport anomalies during the Sunspot maximum of the IGY (Autumn 1957)
Fall Meeting, Am. Geophys. Union, San Francisco, Calif., Dec. 5-9, 1977.
IN EOS, vol. 59, no. 12, Am. Geophys. Union, 1977, p. 1220.
- Jung, G H
Are the oceans a necessary link between solar variability and earth's climatic anomalies?
Chapman Solar Terrestrial Coupling Conference, Yosemite, Calif., Feb. 8-11, 1978.
- Leipper, D F
Training available at the Naval Postgraduate School.
Conf. Educ. Marine Environ. Serv., Seattle, Wash., Aug. 1976.
- Leipper, D F
Overview of NPS program (fogl).
Block Funding Meeting, NEPRF, Monterey, Calif., Sept. 1976.
- Leipper, D F
Defense R > D and oceanography.
Executive Seminar Sci. Technol. Public Policy, Berkeley Center, Civil Serv. Comm., Monterey, Calif., June 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS

(cont'd)

Leipper, D F; Pilie and others
The importance of organized vertical motions in coastal fog.
Conf. Coastal Meteorology, Virginia Beach, Va., Sept. 1976.

Thompson, W C; Reynolds, F M
Climatological ocean wave models.
15th Conf. on Coastal Eng., Honolulu, HI, July 1976.

Thompson, W C; Vieira, M E C
Synoptic history of sand fill in a harbor entrance.
15th Conf. on Coastal Eng., Honolulu, HI, July 1976.

Thornton, E B
Review of status of energetics and momentum fluxes in the surf zone: field data.
Workshop on coastal sediment transport processes, Univ. of Delaware, Dec. 1976.

Thornton, E B
Review of longshore current relationships and data base.
Workshop on Coastal Sediment Transport Processes, Univ. of Delaware, Dec. 1976.

Traganza, E D
Equilibrium calculations as evidence for, normal, C/ATP ratios in marine zooplankton.
Gordon Res. Conf. on Chemical Oceanography, New Hampton, N. H., July 31-Aug. 4, 1978.

Traganza, E D; Swinnerton, J W; Cheek, C H
Methane supersaturation and ATP-zooplankton, blooms, in near-surface waters of the Western Mediterranean and the subtropical North Atlantic Ocean
Gordon Res. Conf. on Chemical Oceanography, New Hopton, N. H., July 31-Aug. 4, 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

JOURNAL PUBS & CONFERENCE PROCS

- Andrews, R S; Clark, B E; Druzbeck, J
Proceedings of the seismic/acoustic passive surveillance
workshop, held at the Marine Corps Education Center,
Quantico, Va., Mar. 7-8, 1978.
Marine Corps Development and Education Command, 1978,
140 p.
- Andrews, R S
Customizing geology in the self-instruct mode: for
example, geological oceanography
J. Geol. Educa., (1977).
- Bourke, R H
Atlantic water on the Chukchi shelf.
Ann. Fall Meeting, Am. Geophys. Union, San Francisco,
Calif., Dec., 1976.
IN Trans., AGU, vol. 57, no. 12, p. 939, (1976).
- Bourke, R H; Paquette, R G
Atlantic water on the Chukchi shelf.
Geophys. Res. Letters, vol. 3, no. 10, p. 629-632,
(1976).
- Bourke, R H; Paquette, R G
The oceanography of the marginal sea - ice zone.
Naval Res. Revs., vol. 29, no. 2, p. 29-30, (1976).
- Bourke, R H; Paquette, R G
Low frequency acoustic propagation and oceanography of
the Pacific Marginal Sea - Ice Zone (U).
U. S. Navy J. Underwater Acoustics, vol. 27, no. 1,
p. 191-209, (1977).
- Bourke, R H; Pfeiffer, J F
Evidence of subarctic water mass intrusions at ocean
weather station November
J. Geophys. Res., vol. 83, no. C9, p. 4561-4566,
(1978).
- Chace, A B; Galdorisi, G V
Tactical ASW ocean acoustic forecasting
U. S. Naval Inst. Proc., vol. 104, no. 3, p. 146-147,
(1978).
- Denner, W W
Sounds in the Arctic Ocean
Naval Arctic Res. Lab., NARL News, vol. 2, no. 2,
(1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

JOURNAL PJBS & CONFERENCE PROCS (cont'd)

- Denner, W W
Environmental factors along an iceberg ton route in the
Indian Ocean
1st Int. Conference on Iceberg Utilization, Ames,
Iowa, Oct. 2-6, 1977.
IN Proc., 1978, p. 389-417.
- Fuhs, A E; Denner, W W; Kelleher, M D; Stolfi, R H;
Bourke, R H; Wang, P C C
Self propelled icebergs
1st Int. Conference and Workshops on Iceberg
Utilization for Fresh Water Production, Weather
Modification and Other Application, Iowa State Univ.,
Ames, Iowa, Oct. 2-6, 1977.
IN Iceberg Utilization, Pergamon, 1978, p.
359-368.
- Garwood, R W
An oceanic mixed layer model capable of simulating
cyclic states.
J. of Phys. Ocean. (1976).
- Garwood, R W
A standardized framework for mixed layer model and
empirical data evaluations.
IN AGU Fall Ann. Meeting, 1976.
- Garwood, R W
A method for the nondimensional comparison of mixed
layer models
Ocean Modeling, vol. 6, (1977).
- Garwood, R W; Camp, N T
Comments on climatological numerical models of the
surface mixed layer of the ocean
J. Phys. Oceanog., vol. 7, (1977).
- Garwood, R W; Halpern, D
Numerical simulation of the long-period response of the
upper ocean to diurnal period fluctuations of wind
stress and surface buoyancy flux.
IN 2nd Conf. Ocean-Atmosphere Interactions of the
Am. Meteorol. Soc., 1976.
- Haderlie, E C
Destructive Marine wood and stone borers in Monterey
Bay.
3rd Intern. Biodegradation Symp.
IN Proc., 1976, p. 947-953.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Haderlie, E C
Destructive Marine wood and stone borers in Monterey Bay.
IN 3rd International Symp. on Biodegradation, Kingston, 1976.
- Haderlie, E C
The Chiltons (Polyplacophora), (Chapter 6).
IN Marine Invertebrates of California Shores: An Illustrated Guide, R. H. Morris and D. P. Abbott, eds. Stanford Univ. Press, 1977.
- Haderlie, E C
Primary biofouling films on JTEC heat exchangers.
4th Annual Conference on Ocean Thermal Conversion. New Orleans, La., Mar. 22-24, 1977.
IN Proc., Washington, D. C. Division of Solar Energy, Energy Research and Development Administration, 1977. 25 p.
- Haderlie, E C
The nemertean worms (Chapter 3).
IN Marine Invertebrates of California Shores! An Illustrated Guide, R. H. Morris and D. P. Abbott, Eds. Stanford University Press, 1977.
- Haderlie, E C
The flat worms (Platyhelminthes) (Chapter 2).
IN Marine Invertebrates of California Shores: An Illustrated Guide, R. H. Morris and D. P. Abbott, Eds. Stanford University Press, 1977.
- Haderlie, E C
Fouling communities in the intertidal zone on wooden and concrete piling at Monterey, California.
4th Intern. Congr. Marine Corrosion and Fouling Centre Rech. d'Etudes Ocean., Boulogne, France, Aug. 1977.
IN Proc., 1977, p. 241-251.
- Haderlie, E C
Fouling communities in the intertidal zone on wooden and concrete pilings in Monterey, California.
4th International Congress on Marine Corrosion and Fouling, Juan-les-Pins France, June 14-18, 1976.
IN Proc., Boulogne, France, Centre de Recherches et d'Etudes Oceanographic, 1977, 241 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Haderlie, E C
Comparative natural resistance of four Central American
hardwoods to marine borers
4th Int. Biodeterioration Symposium, Berlin, Germany,
Aug. 28-Sept. 1, 1978.
IN Proc., (Biodeterioration Soc., London).
- Haderlie, E C
Marine borers, potential threat to concrete and
polymeric materials used in OTEC systems
OTEC Biofouling and Corrosion Symposium, Seattle,
Wash.
IN Proc., 1978, p. 140-150.
- Haderlie, E C
Fourth International Symposium on Biodeterioration,
Berlin, Aug., 1978
Office of Naval Research, London, United Kingdom,
1978, p. 8.
- Haderlie, E C; Donat, W
Wharf piling fauna and flora in Monterey harbor,
California
Veliger, vol. 21, p. 45-69, (1978).
- Haderlie, E C
Marine borers: potential threat to concrete and
polymeric materials used in OTEC systems
Ocean Thermal Energy Conversion Biofouling and
Corrosion Symposium, Seattle, Wash., Oct., 1977.
IN Richland, Wash., Battelle Pacific Northwest
Laboratories, 1978, p. 140-150.
- Jung, G H
New calculations of heat transported poleward by ocean
currents.
Fall Ann. Meeting of Am. Geophys. Union, San
Francisco, Calif., Dec., 1976.
IN EOS. Trans. Am. Geophys. Union, vol. 57, no.
12, 1976, p. 930.
- Leipper, D F
Coastal fog forecasting.
IN Ann. Fog Conf., Reno, Nev., Jan. 1976.
- Paquette, R G
Atlantic water on the Chukchi shelf.
Ann. Fall Meeting, Am. Geophys. Union, San Francisco,
Dec. 1976.
IN Trans. Am. Geophys. Union, vol. 57, no. 12,
1976, p. 939.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Paquette, R G; Bourke, R H
The oceanography of the marginal sea - ice zone.
Naval Res. Revs., vol. 29, no. 2, p. 29-30, (1976).
- Paquette, R G; Bourke, R H
Atlantic water on the Chukchi shelf.
Geophys. Res. Letters, vol. 3, no. 10, p. 629-632,
(1976). (NPS-68Bf75121), p. 4, (1976).
- Paquette, R G; Bourke, R H
Low frequency acoustic propagation and oceanography of
the Pacific Marginal Sea - Ice Zone (U).
U. S. Navy J. Underwater Acoustics, vo. 27, no. 1, p.
191-209, (1977).
- Thompson, W C
Tides, time and shoreline processes: Part I: Tides and
tidal datum planes Part II: Beaches and shoreline
processes.
Water Boundaries Workshop of the Calif. Land
Surveyors Assoc., San Mateo, Calif., Nov., 1976.
- Thompson, W C
Tides, time, and shoreline processes
Water Boundaries Workshop, Irvine, Calif., May 20-21,
1977.
IN Proc., California Land Surveyors Assoc., 1977,
p. 22-42.
- Thompson, W C; Reynolds, F M
Ocean wave statistics from FNWC spectral analyses.
15th Intern. Coastal Eng. Conf., Honolulu, HI, July
1976.
IN ASCE, 1976, p. 776-777.
- Thompson, W C; Vieira, M E C
Seasonal sanding of Ventura Harbor entrance.
15th Intern. Coastal Eng. Conf., Honolulu, HI, July
1976.
IN ASCE, 1976, p. 514-515.
- Thornton, E B
Rederivation of the saturation range in the frequency
spectrum of wind generated gravity waves
J. Phys. Oceanog., vol. 7, no. 1, (1977).
- Thornton, E B
Kinematics of breaking waves
Coastal Geography Programs 1978 Annual Review, St.
Croix, V. I., Apr. 23-27, 1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Thornton, E B
Discussion: the wave pump, conversion of wave energy to
current energy
J. Waterway, Port, Coastal and Ocean Division, vol.
104, no. WW4, p. 459-460, (1978).
- Thornton, E B; Boston, N E J
Wave induced temperature fluctuations.
Nat. Fall Meeting Am. Geophys. Union, San Francisco,
Calif., Dec. 1976.
IN EOS, vol. 57, p. 942, (1976).
- Thornton, E B; Lee, T; Black, K
Waves across a reef.
Nat. Fall Meeting Am. Geophys. Union, San Francisco,
Dec. 6, 1976.
IN EOS, vol. 57, p. 939, (1976).
- Thornton, E B; Morris, W D
Suspended sediments measured in the surf zone
Symposium on Coastal Sediments 1977, Charleston, S.
C., Nov. 2-4, 1977.
IN Proc., Am. Soc. of Civil Engineers, 1978, p.
655-668.
- Thornton, E B; Schaeffer, G
Probability functions of breaking waves
16th Int. Conference on Coastal Eng., Hamburg,
Germany, Sept., 1978.
IN Proc., Am. Soc. of Civil Engineers.
- Traganza, E D; Graham, K J
Carbon/adenosine triphosphate ratios in marine
zooplankton.
EOS Trans. Am. Geophys. Union, vol. 57, no. 12, p.
938, (1976).
- Traganza, E D; Graham, K J
Carbon/adenosine triphosphate ratios in marine
zooplankton
Deep Sea Res., vol. 24, (1977).
- Traganza, E D; Radney, J C; Graham, K J
A convenient method for the determination of carbon in
marine net zooplankton.
Marine Chem., vol. 4, p. 165-173, (1976).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

Wickham, J B

An integrated study of the Californian countercurrent.
IN Colloq. on the California Countercurrent EPOC
(Eastern Pacific Oceanog. Comm.), Lake
Arrowhead, Calif., Sept. 1976.

Denner, W W; Rickard, B F; Kibblewhite, A C
Temperature microstructure and ultrasonic sound
propagation in the sea
(Deep Sea Res.)

NAVAL POSTGRADUATE SCHOOL
Montarey, California

DEPARTMENT OF OCEANOGRAPHY
TECHNICAL REPORTS AND NOTES

- Andrews, R S
Watsonville sewage ou:fall Marine geophysical investigations.
Final report submitted to the City of Watsonville through Environ. Res. Consultants, Inc., Arcata, Calif., 1976. 17 p.
- Bourke, R H; Paquette, R G
Atlantic water on the Chukchi shelf.
Naval Postgraduate School, (NPS-68Bf76121), 1976. 4 p.
- Bourke, R H; Paquette, R G
Oceanographic investigation of the marginal sea ice zone of the Chukchi Sea--MIZPAC 1974.
Naval postgraduate School, (NPS-58Pa760519), 1976. 38 p.
- Bourke, R H; Paquette, R G
Oceanography, mesostructure, and currents of the Pacific Marginal Sea-Ice Zone--MIZPAC 1975.
Naval Postgraduate School (NPS-58PA76091) 1976.
- Bourke, R H; Pfeiffer, J F
Evidence of subarctic water mass intrusions at ocean weather station NOVEMBER.
Naval Postgraduate School, (NPS-68Bf76121), 1976.
- Garwood, R W
A general model of the ocean mixed-layer using a two-component turbulent kinetic energy budget with mean turbulent field closure.
(NOAA Tech. Rept. 1976.)
- Paquette, R G; Bourke, R H
Oceanographic investigations of the Marginal Sea - Ice Zone of the Chukchi Sea -- MIZPAC 1974.
Naval Postgraduate School, (NPS-58Pa76051), 1976. 38 p.
- Paquette, R G; Bourke, R H and others
Oceanography, mesostructure, and currents of the Pacific Marginal Sea - Ice Zone -- MIZPAC 1975.
Naval Postgraduate School, (NPS-58Pa76091), 1976.
- Thompson, W C
Specifications for the production of ocean wave statistics for the California Coast from FNWC singular wave analyses.
Naval Postgraduate School, (NPS-68Th76031), 1976. 19 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES

(cont'd)

- Thompson, W C; Reynolds, F M
Climatological wave statistics derived from FNWC
synoptic spectral wave analyses.
Naval Postgraduate School, (NPS-58ReTh76061), 1976.
141 p.
- Thompson, W C; Reynolds, F M
Ocean wave statistics from Fleet Numerical Weather
Central Spectral Analyses
Sponsored by the California Department of Navigation
and Ocean Development. Fleet Numerical Weather
Central, (FNWC Tech. Rep. No. 77-2), 1977. 20 p.
- Thompson, W C; Winter, A W
Environmental factors affecting sea/beach solid cargo
transfer.
Naval Postgraduate School, (NPS-68Th76091), 1976.
294 p.
- Thornton, E B; Boston, N E J
Small scale interactions and energy changes in the upper
ocean.
Naval Postgraduate School, (NPS-68Tm76061), 1976.
- Traganza, E D; Graham, K J and others
Carbon/adenosine triphosphate ratios and the annual
oceanography off Monterey, Calif., 1974.
Naval Postgraduate School, (NPS-58Tg76041), 1976.
- Traganza, E D; Norton, J G
A study of the CO₂ system at two stations in Monterey
Bay: Apr. 25 and 27, 1978
Naval Postgraduate School, (NPS-6878005), 1978. 11
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONFERENCE PRESENTATIONS

- Boone, D H
Advances in gas turbine coatings and processing
High Temperature Alloys for Gas Turbines, Liege,
Belgium, Sept. 25-27, 1978.
- Boone, D H
Industrial and marine high temperature
oxidation-corrosion
Pacific Northwest Metals and Mineral Conference,
Portland, Or., May 1978.
- Boone, D H; Lowrie, R
Characteristics of NiAlY overlay coatings
American Ceramics Society Meeting, Bedford, Pa., Oct.
12-14, 1977.
- Boone, D H; Shen, S; Lee, D
Effect of deposition rates on overlay coating structure
International Conference on Metallurgical Coatings,
San Francisco, Calif., Apr. 1978.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E
Shipboard measurement of turbulent parameters
American Geophysical Union Meeting, San Francisco,
Calif., Dec., 1977.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E
Scaling laws for CN_2 in marine boundary
High Energy Laser Review, Washington, D. C., July
1978.
- McNelly, T R
Microstructural, mechanical and ballistic
characteristics of thermomechanically - processed
ultra-high carbon steels.
Presented at the Ballistics Research Laboratory
(BRL), U. S. Army Proving Grounds, Aberdeen, Md.,
Oct. 13, 1978.
- McNelly, T R; Ness, F G
Microstructure, mechanical property relationships in an
aluminum-magnesium alloy
197th Annual Meeting of the Metallurgical Society -
American Institute of Mining, Metallurgical and
Petroleum Engineers (TMS-AIME), Denver, Colo., Feb.
1978.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONFERENCE PRESENTATIONS (cont'd)

Newton, R E; Atchison, D L
Response of a ring-stiffened cylinder to an acoustic
blast wave.
2nd Intern. Symp. on Finite Element Methods in Flow
Problems, Rapallo, Italy, June 1976.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONTRIBUTIONS TO BOOKS

Houlihan, T M
Microcomputer design and applications
IN J. Plumbett, ed. MIDAS Data Acquisition
System, Academic Press, 1977, p. 195-211.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
JOURNAL PJBS & CONFERENCE PROCS

- Brock, J E
Asymmetric moment loading of annular elastic plates
J. Appl. Mechanics, vol. 43, Ser. E., no. 2, p.
353-355, (1976).
- Brock, J E
Some remarks on plates and shells.
Int. J. Mech. Eng. Educ., vol. 4, no. 1, (1976).
- Brock, J E
Dunkerley-Mikhlin estimates of gravest frequency of a
vibrating system
ASME Paper 76-APM-33, J. Appl. Mechanics.
- Brock, J E
Flexibility analysis of L-bends
Heating, Piping and Air Conditioning, vol. 51, no. 9,
p. 89-90, (1977).
- Brock, J E
An improved derivation of the Dunkerley-Mikhlin formula
The Shock and Vibration Bull., no. 47, part 2, p.
17-18, (1977).
- Brock, J E
An experiment on the vibration of a cantilever
Int. J. Mech. Eng. Educ., vol. 6, no. 2, p. 97-100,
(1978).
- Brock, J E
Buckling of a simple elastic structure--a complicated
and deceptive subject
Int. J. Mech. Eng. Educ., vol. 6, no. 3, p. 135-139,
(1978).
- Brock, J E
A simple laboratory experiment in plastic bending
Int. J. Mech. Eng. Educ., vol. 6, no. 2, p. 95-96,
(1978).
- Brock, J E
Simple snap-through behavior of a prismatic bar
Int. J. Mech. Eng. Educ., vol. 6, no. 2, p. 93-94,
(1978).
- Brock, J E
Lower bounds for gravest torsional frequencies
J. Appl. Mech. (Trans. ASME), vol. 45, no. 1, p.
197-198, (1978).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Brock, J E
A simple model of oblate earth
Int. J. Mech. Eng. Educ., vol. 6, no. 3, p. 133-134,
(1978).
- Cantin, G; Loubignac, G; Touzot, G
Continuous stress fields in finite element analysis
Am. Inst. Aeron. Astron. J., (Nov. 1977).
- Fuhs, A E
A baker's dozen
J. Aircraft, vol. 13, p. 1-2, (Jan., 1976).
- Fuhs, A E
Distortion of laser turret optics due to aircraft
mainstream flow
J. Optical Soc. Am., vol. 66, p. 1137, (Oct., 1976).
- Fuhs, A E
Computer-drawn graphs help calculate effects of heating
by laser radiation.
Laser Focus Mag., p. 66-73, (1976).
- Fuhs, A E
A year to remember
J. Aircraft, vol. 14, p. 1-2, (Jan., 1977).
- Fuhs, A E
A rising sun in aircraft.
Astronaut. & Aeron., vol. 16, no. 5, p. 52-59, (June
1978).
- Fuhs, A E
A rising sun in aircraft
Astronautics and Aeronautics, vol. 16, no. 6, p.
52-59, (1978).
- Fuhs, A E
Recognition and appreciation
J. Aircraft, vol. 15, no. 1, p. 1-3, (1978).
- Fuhs, A E; Biblarz, O
Laser aerodynamics.
Naval Res. Rev., vol. 29, no. 2, p. 11-13, (1976).
- Fuhs, A E; Carey, E F
Transonic thermal blooming due to an intense laser beam
J. Aircraft, vol. 13, (Dec., 1976).

NAVAL POSTGRADUATE SCHOOL
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JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Fuhs, A E; Carey, E F
Transonic thermal blooming due to an intense laser beam.
J. Aircraft, vol. 13, no. 12, p. 974-980, (1976).
- Fuhs, A E; Vanderplaats, G
Aerodynamic design of a conventional windmill using
numerical optimization.
J. Energy, vol. 1, no. 2, p. 132-134, (1977).
- Houlihan, T M
Research at the Naval Postgraduate School.
Naval Res. Rev., vol. 29, no. 2, p. 1-5, (1976).
- Houlihan, T M
Laser research studies benefit fleet
Campus, p. 20-23, (Jul., 1977).
- Houlihan, T M
Signal lamps of the future
Mar. Technol. Soc. J., vol. 12, no. 3, p. 24-27,
(1978).
- Houlihan, T M
Midas
Naval Aviation News, p. 16-17, (Jan. 1978).
- Houlihan, T M
Laser research lights the way
All Hands, no. 737, p. 24-25, (1978).
- Houlihan, T M; Davidson, K L
Properties of small scale turbulence in fog
5th Biennial Symposium on Turbulence, Univ. of
Missouri, Rolla, Mo., Oct., 1977.
IN Proc., 1977, p. 5.
- Houlihan, T M; Dundus, M
Modern analysis of hydraulic control systems
Nat. Conference on Fluid Power, Philadelphia, Pa.,
Nov., 1978.
IN Proc., Sponsored by the Illinois Inst.
Technology, 1978, p. 8.
- Houlihan, T M; Melanephy, J
Let flap fluidic control system
11th Navy Aeroballistics Committee Symposium,
Philadelphia, Pa., Aug., 1978.
IN Proc., Sponsored by the Naval Air Development
Center, 1978, p. 8.

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JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Houlihan, T M; NPS EO/LT Group
Laser transmission in the marine environment
NAVSEA J., vol. 25, p. 2-8, (1976).
- Houlihan, T M; Pereru, K
Curved wall boundary layer flow
70th Annual Meeting of the Am. Inst. of Chemical
Engineers, New York, N. Y., Nov., 1977.
IN Proc., 1977, p. 7.
- Houlihan, T M; Toney, J
Modelling techniques for gas turbine systems
5th Ship Controls Symposium, Annapolis, Md., Oct.,
1978.
IN Proc., Sponsored by the Naval Ship Res.
Development Center, 1978, p. 11.
- Houlihan, T M; Tyler, B; Gongaware, W
Development of an oil-water pollution monitoring system
ASNE J., p. 125-128, (Apr., 1977).
- Kelleher, M D
Effects of gravity on gas loaded variable conductance
heat pipes.
2nd Intern. Heat Pipe Conf., Bologna, Italy, Apr.
1976.
IN Proc.
- Marto, P J
Performance characteristics of rotating, wickless heat
pipes.
2nd International heat Pipe Conf., Bologna, Italy,
Mar. 31 - Apr. 2, 1976.
IN Proc.
- Marto, P J
Naval engineering at the Naval Postgraduate School:
educating for tomorrow's Navy.
ASNE Day, Washington, D. C., May 6-7, 1976. Naval
Engineer's J.
- Marto, P J; MacKenzie, D K; Rivers, A D
Nucleate boiling in the thin liquid layers.
IN National Heat Transfer Conf., St. Louis, Aug.
1976.
- Marto, P J; Wagenseil, L L
Augmenting the condenser heat transfer performance of
rotating heat pipes
3rd Int. Heat Pipe Conference, Palo Alto, Calif.,
May, 1978.
IN Proc., Am. Inst. of Aeronautics & Astronautics,
1978, p. 439.

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JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- McNalley, T R; Gates, S ?
Inverse strain-rate sensitivity and the Portevin-Le
Chatelier effect
Acta Metallurgica, vol. 26, no. 10, p. 1605-1614,
(1978).
- McNalley, T R; Edwards, S R; Sherby, J D
A microstructural correlation between the mechanical
behavior of large volume fraction particulate composites
at low and high temperatures.
Acta Met., vol. 25, p. 117-124, (1977).
- McNalley, T R; Lucas, G F
A comparison between creep of laminated aluminum and the
transverse creep behavior of a unidirectional
boron-aluminum composite.
Met. Trans., vol. 7(A), p. 1317-1324, (1976).
- Nguyen, D H; Salinas, D
Finite-element solutions of space-time nonlinear reactor
dynamics
Nucl. Sci. Eng., vol. 60, no. 2, p. 120-130, (1976).
- Nunn, R H; Gibson, E J
Liquid container filling and charging
J. Eng. Ind., vol. 98, ser. B, no. 2, p. 730-732,
(1976).
- Nunn, R H; Smith, L H
Aerodynamic characteristics of an axisymmetric body
undergoing a uniform pitching motion.
J. Spacecraft and Rockets, vol. 13, no. 1, p. 8-14,
(1976).
- Perkins, A J
A problem - solving approach to teaching a survey
course.
Eng. Educ., vol. 66, no. 8, p. 845-847, (1976).
- Perkins, A J; Edwards, G R
Materials engineering research.
Naval Res. Rev., vol. 29, no. 2, p. 24-28, (1976).
- Perkins, A J; Edwards, G R
Thermomechanical characteristics limiting the mechanical
utility of strain-reversible martensitic deformation
(shape memory effects) in NiTi alloys.
IN TMS-AIME 1975 Annual Meeting, Las Vegas, Feb.
1976.

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- Perkins, A J; Lucas, G F
The transverse creep behavior of a unidirectional boron-aluminum composite material.
Met. Trans. (1976).
- Perkins, A J; Todd, J M
Corrosion of zinc anodes in seawater.
Naval Engrs. J., vol. 88, no. 4, p. 65-72, (1976).
- Perkins, A J; Todd, J M
Nucleation and growth of anodic electrocrystallization products on zinc in seawater.
Corrosion (1976).
- Perkins, J
Morphology of ZnO microcrystals
J. Crystal Growth, vol. 40, p. 152-156, (1977).
- Perkins, J
Materials and mechanisms determining the performance of lead-acid storage batteries
Materials Sci. and Engineering, vol. 28, p. 167-199, (1977).
- Perkins, J; Bornholdt, R A
Corrosion product morphology in anodic electrocrystallization of zinc oxide in sea water
Corrosion Sci., (1976).
- Perkins, J; Bornholdt, R A
The corrosion product morphology found on sacrificial zinc anodes
Corrosion Sci., vol. 17, p. 377-384, (1977).
- Perkins, J; Coyle, M T
Observation of a substructural network in the positive plates of lead-acid storage batteries
J. Electrochemical Soc., p. 525-528, (Oct., 1977).
- Perkins, J; Goldberg, A
Behavior of oxide films on high temperature alloys in carbonaceous gas atmospheres
Oxidation of Metals, vol. 11, p. 23-55, (1977).
- Perkins, J; Keelean, M R
Interface corrosion of explosively bonded aluminum steel composites in seawater spray atmospheres
Materials Performance, vol. 16, no. 7, p. 13-20, (1977).

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- Perkins, J; Luebke, W H; Graham, K J; Todd, J M
Anodic corrosion of zinc alloys in seawater
J. Electrochemical Soc., vol. 124, p. 819-826,
(1977).
- Salinas, D; Nguyen, D H
Finite element solutions of space-time nonlinear reactor
dynamics
Nucl. Sci. Eng., vol. 60, no. 2, p. 120-130, (1976).
- Sarpkaya, T
Turbulence measurements in the near-wake flow field of a
circular cylinder in a dilute-polymer solution flow.
Symposium on Structure of Turbulence and Drag
Reduction International Union of Theoretical and
Applied Mechanics, Washington, D. C., (June 7-12,
1976).
- Sarpkaya, T
Effect of surface roughness on the resistance of
cylinders in periodic flow.
International Conference on Coastal Engineering,
Honolulu, HI (June 1976).
- Sarpkaya, T
Forces on and vortex shedding from oscillating bluff
bodies.
14th International Congress of Theoretical and
Applied Mechanics, Delft, the Netherlands (Aug.
30-Sept. 4, 1976).
- Sarpkaya, T
Vortex shedding in periodic flows.
International Conference on the Behavior of Offshore
Structure, Trondheim (Aug. 1976).
- Sarpkaya, T
Oscillating flow about circular cylinders at high
Reynolds numbers.
Offshore Technology Conference, (May 3-6, 1976).
- Sarpkaya, T
Forces on rough-walled cylinders in harmonic flow
Coastal Eng., vol. 3, p. 2301-2320, (1977).
- Sarpkaya, T
In-line and transverse forces on cylinders in
oscillatory flow at high Reynolds numbers
J. of Ship Res., vol 21, no. 4, p. 200-216, (1977).

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- Sarpkaya, T
Flow about a missile at a high angle of attack and the
impulsive flow analogy
NASA High Angle of Attack Missile Technology
Conference, Langley, Va., Mar. 21-23, 1978.
IN Proc. High Angle of Attack Missile Technology
Conference, National Aeronautics and Space
Administration, Washington, D. C.
- Sarpkaya, T
Wave loading in the drag/inertia regime with particular
reference to groups of cylinders
Int. Symposium on Wave Forces on Offshore Structures,
Bristol, England.
IN Wave Forces on Offshore Structures, Univ. of
Bristol, (England), 1978, p. 37-56.
- Sarpkaya, T
Wave impact forces on cylinders in harmonic flow
10th Offshore Technology Conference, Houston, Tex.
IN Proc., vol. 1, no. 3065, 1978, p. 178-192.
- Sarpkaya, T
Wave impact forces on cylinders in harmonic flow
10th Offshore Technol. Conf., Houston, Tex.
IN Proc., vol. 1, no. 3065, p. 178-192, (1978).
- Sarpkaya, T
Fluid forces on oscillating cylinders
Am. Soc. of Civil Engineers, J. Waterway, Port,
Coastal and Div., vol. 104, no. WW4, p. 275-290,
(1978).
- Sarpkaya, T
Fluid forces on oscillating cylinders
ASCE, J. Waterway, Port, Coastal and Ocean Division,
vol. 104, no. WW4, p. 275-290, (1978).
- Sarpkaya, T
The hydrodynamic resistance of roughened cylinders in
harmonic flow
Trans. of the R. Inst. of Naval Architects, vol. 120,
Mar./no. 2, p. 41-55, (1978).
- Vanderplaats, G N
The computer for design and optimization.
IN ASME Winter Ann. Meeting, New York, N. Y.,
Dec. 1976. Proc., 1976.

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JOURNAL PJBS & CONFERENCE PROCS (cont'd)

Vanderplaats, G N
Automated optimization techniques for aircraft
synthesis.
IN AIAA Aircraft Systems and Technology Meeting,
Dallas, Tex., Sept. 1976. AIAA Paper No.
76-909.

Vanderplaats, G N; Gregory, T
A preliminary assessment of the effects of advanced
technology on supersonic cruise tactical aircraft.
Super Cruise Military Aircraft Design Conf., Colorado
Springs, Colo., Feb. 1976.
IN Proc., 1976.

Brock, J E
An Euler bucking eigensystem for a nonprismatic strut
J. Appl. Mech. (Trans. ASME), vol. 45, no. 2, p.
439-440, (1978).

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A computer subroutine for stress analysis of rotating disks - II.
Naval Postgraduate School, (NPS-6978014), Aug. 1978.
12 p.
- Brock, J E
A computer subroutine for stress analysis of rotating disks - II
Sponsored by the Office of Naval Research. Naval Postgraduate School, (NPS-6978014), 1978. 12 p.
- Brock, J E; Brown, R E
A computer subroutine for stress analysis of rotating heated disks
Sponsored by the Office of Naval Research. Naval Postgraduate School, (NPS-6978012), 1978. 20 p.
- Brock, J E; Brown, R E
A computer subroutine for stress analysis of rotating, heated disks.
Naval Postgraduate School, (NPS-6978012), May 1978.
20 p.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E
Evaporation duct height measurements in mid-Atlantic
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Stability dependence of turbulent kinetic energy
Sponsored by the Naval Sea Systems Command. Naval Postgraduate School, (NPS-6377002), 1977. 36 p.
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Atmospheric turbulence measurements in fog
Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-6177004), 1977. 61 p.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E
Observational results on temperature structure parameter.
Sponsored by the Naval Sea Systems Command. Naval Postgraduate School, (NPS-6377001), 1977. 35 p.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E
Atmospheric boundary layer in vicinity of San Nicholas Island
Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-6178007), 1978. 69 p.

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TECHNICAL REPORTS AND NOTES (cont'd)

- Fairall, C W; Davidson, K L; Houlihan, T M; Schacher, G E
USNS Hayes boundary layer research cruise.
Sponsored by the Naval Air Systems Command. Naval
Postgraduate School, (NPS-61PrDShmSq77111), 1977. 32
p.
- Fuhs, A E; Fuhs, S E
Phase distortion due to airflow over a hemispherical
laser turret.
Naval Postgraduate School, (NPS-69Fu76101), 1976. 31
p.
- Fuhs, A E; Tauber, M E; Paterson, J A
A program for calculating turbofan-driven lift-fan
propulsion system performance.
Ames Research Center, Moffett Field, Calif. (NASA
TM-X-73, 173) 1976. 26 p.
- Garrison, C J
Hydrodynamic interaction of waves with a large
displacement floating body.
Naval Postgraduate School, (NPS-69Gm77091), Sept.
1977. 159 p.
- Houlihan, T M; Fairall, C W; Davidson, K L; Schacher, G E
Experimental shipboard turbulence measurement system
Sponsored by the Naval Sea Systems Command. Naval
Postgraduate School, (NPS-6178001), 1978. 66 p.
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Effects of gravity on gas-loaded variable conductance
heat pipes.
Naval postgraduate School, (NPS-69Kk77031), 1977. 62
p.
- Kelleher, M D; Buckingham, J R; Raikes, W M
An optimization study of a low thermal potential power
system.
Naval Postgraduate School, (NPS-69Kk76091), 1976.
108 p.
- Newton, R E
Effects of cavitation on underwater shock loading - Part
1.
Naval Postgraduate School, (NPS-6978013), July 1978.
30 p.

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TECHNICAL REPORTS AND NOTES (cont'd)

- Newton, R E
Effects of cavitation on underwater shock loading, Part I
Sponsored by the Defense Nuclear Agency. Naval Postgraduate School, (NPS-6978013), 1978. 29 p.
- Nunn, R H
7th Cranfield Fluidics Conference, Stuttgart, Nov. 12-14, 1975.
Office of Naval Res., London Branch (ONRL C-4-76) 1976. 20 p.
- Nunn, R H
The Marine gas turbine--the UK provides a case study in technological development.
Office of Naval Res., London Branch (ONRL R-1-77) 1977. 27 p.
- Perkins, A J; Cummings, J R; Graham, K J
Morphological evidence for a pitting mechanism in dilute aluminum alloys.
Naval Postgraduate School, (NPS-69Ps78005), June 1978. 16 p.
- Sarpkaya, T
Vortex shedding and resistance in harmonic flow about smooth and rough circular cylinders at high Reynolds numbers.
Naval Postgraduate School, (NPS-59S176021), 1976. 183 p.
- Sarpkaya, T
In-line and transverse forces on smooth and sand-roughened cylinders in oscillatory flow at high Reynolds numbers.
Naval Postgraduate School, (NPS-69S176062), 1976. 64 p.
- Sarpkaya, T
Unidirectional periodic flow about bluff bodies
Sponsored by the National Science Foundation. Naval Postgraduate School, (NPS-69S177051), 1977. 112 p.
- Sarpkaya, T
Transverse oscillations of a circular cylinder in uniform flow, Part I
Sponsored by the Civil Engineering Laboratory, Port Hueneme, Calif. Naval Postgraduate School, (NPS-69S177071R), 1977. 120 p.

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Sponsored by the National Science Foundation. Naval
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- Sarpkaya, T
Self-excited oscillations of a circular cylinder in
harmonic flow
Sponsored by the National Science Foundation. Naval
Postgraduate School, (NPS-69S178009), 1978. 96 p.
- Schacher, G E; Fairall, J W; Davidson, K L; Houlihan, T M
Experimental investigation of marine layer in Los
Angeles basin
Sponsored by the California Air Resources Board.
Naval Postgraduate School, (NPS-6178002), 1978.
- Vanderplaats, G N
COMMAND - a FORTRAN program for simplified composite
analysis and design, User's Manual.
(NASA TM-X-73), no. 104, 1976. 49 p.
- Vanderplaats, G N
Structural optimization via a design space hierarchy.
J. Numerical Methods in Eng. vol. 10, no. 3, p.
713-717, 1976.
- Vanderplaats, G N; Hicks, R M
Numerical airfoil optimization using a reduced number of
design coordinates.
(NASA TM-X-73), no. 151, 1976. 18 p.
- Vanderplaats, G N; Hicks, R M and others
Airfoil section drag reduction at transonic speeds by
numerical optimization.
(NASA TM-X-73), no. 097, 1976. 32 p.

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